Continued from Page 19

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### OFFICE MANAGER

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The Anglo-Scottlan Fish Producers Organisation Limited is a body set up under E.S.C. legislation concerned with the primary ting of fish and the production of statistical data.

The Heedquerters are in Berwick-upon-Twead and the Office Menager will be responsible for the supervision of a small office steff angaged in data collection and analysis in the first instance. Opportunitias for expansion into other activities in the future are en-ticipeted. The successful epplicant for the position of Office Menager should be (1) familier with the Fishing Industry; (2) experionced in accounting and statistical recording systems; (3) experienced in running a small office and the control of staff and (4) have the initietive, drive and flexibility to seak and implement other

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Enquiries and applications to the Chairman, Anglo-Scottish Fish Producers' Organisation Limited, 7 Sridgs End, Berwick-upon-Tweed T016 1 HA, Interviews will be in Berwick-upon-Tweed.

TWO young men, English, holding esniar deckhend ticket, experienced all types of trawlers, fluent Fracch, seek work inchors or daspess, references aveileble, Donal Box, talephone Kirkdels 264 (Sydenham, Landon SE28).

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50ft, starn trawler, knowledga af
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PUBLIC NOTICE

Notice to Mariners

ROCK DUMPING ON SHELL EXPRO'S GASLINE

DECCA MAINCHAIN OC CO-ORDINATES SECTION ALPRA

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GREEN G 32.74 PURPLE H 62.26 GREEN G 32.83 PURPLE H 62.47 GROON G 34.47 PURPLE N 61.90 GROON G 34.67 PURPLE N 61.30 GREEN D 38.03 PURPLE H 62.30 GROON G 38.06 PURPLE H 62.30 GROOM G 37.tt PURPLE H 62.36

This operation is being cerried out by the bergs "Frane" and will now continus into February.

The vassel employed frequently lays to two enchors, the cables of which extend 850 matres up current from the vassel. A wide berth is

Notice to Mariners

### ROCK DUMPING ON SHELL EXPRO'S GASLINE

Work on the St. Fergus/Brent Gasiline is due to returns on the 18/6/78.

The Sock Camping vecsal FRANS will be canducting a survey of the pipeline route front St. Fergus Offshoré to a position ST 38/3N 1\* 40,21W. Chain 88 North Scottlah. Green 36.3 [corrected], Purple \$8.25 [corrected], Survey work should require two days often which rock throping will commence for approximately four weeks over parts of this section of placing. The yeard FRANS: frequently leys to two anthons, the dibtes of which union the metres up-current from the vysics.

A wide berth is requested.

### ROCK DUMPING

on the 8t. Fergus/Brent Gaeline hee been resumed
The rock dumping vessel 'FRANS' is engaged in dumping on
section of the line between shore et St. Fergus to position 67°
38,3N 01° 40,21W. Decce Chain 8C North Scottleh Green 36,3
[corrected] purple 80,25 [corrected]. The rock dumping is
presently scheduled to be completed by 8th June 1878.

The result 'SPANS' fraguestic less to 2 stephen the gables of vessal FRANS' frequently lays to 2 enohors, the cebles of which extend 850m up-current from the vessel.

A WIGE BERTH IB REQUESTED

### **OFFICIAL** NOTICE

Proposal to change a ships nama

Rasudgean, Penzence and Leonard Michael Williams of 44 Bowjey, Pan-zenca, joint owners of the Rehing bost "Girl Tat" at Penzence, afficial number 308778 of gross tonnege 47.85 tons, of registered tonnege 19.00 tons, previously awned by T.S. Thampson of Sunny Corner, Fife Bellview, Newlyn, name to

### GIRL PATRICIA Any objections must be sent to the Register Caneral of Shipping and Saemen, Uantricent Road, Cerdiff CF5

Groun

14 fethom 15 fethom

6 fether

10 fethom

FOR SALE

OPFICIAL natice — Proposal to change a ship's name. I Richard Brooke, 172 Dundridge Lans, Bristol, owner of the fishing vess! 'Rose Resolutian' of gross tonnege 555, Ci, of registered tonnege 198.65, official number 168687, previously owned by Hellyer Bros., Hull, propose to chenge her name to 'Debut', any objections must be sent to the Registrar of Shipping and Seamen, Lisotrisaot Road, Cardiff CF5 278 within esven days of the appearence of this edvertisement. Signed R. J. Brooks, deta 22nd, May 1978.

MARINE SURVEYS SEA SURVEYS Prampi prafessionel survaya and valuations. Stebility books made up to DTI ap-provel according to new regulations. All types, enzywhare, 6 Hayel Albert Raed, Bristol, 0:272 30573 124 hours).

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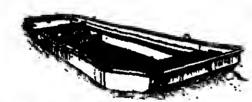
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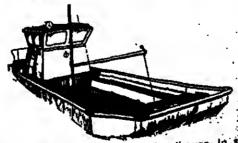
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Juna 9, 1978

Est, 1913





apeyaide le s powerful addition to Aberdeen's fleet. A full review of the 88-foot

# Scottish show number

THIS ection-proked 104-page issue of Fishing News feetures: strention on offend where the Catch axhibition opens in erdeen next Wadnesday.

INSIDE: PAGE 10: Exhibition

PAGE 23. Peterhead Q00m

PAGE 475 RVE TO THE LEGIT SETTING

# **Auction saves** Milford trio

A LOCAL fish merchant has saved a large part of the Milford Haven trawler fleet. His bids totalling £11,310 bought the three trawlers Georgina Wilson, Jadestar Gypsy and Brenda Wilson which went under the hammer last week.

hammer last week.

Head of the fish merchante Rswlings & Co., Peter Wright, out-bid buyere from other porte and also scrap merchaots et the euction.

The trawlers came up for sele following the odlepse of Hubert Jones Trewlers Ltd. Georgina Wilson eold for 25,000, Jadestar Gypsy 24,060 and Brenda Wilson for 22,250.

Mr. Wright is now awaiting a surveyor's report on the vessels to find out how much it will cost to put them back to sea. Trawler owners in the Brenda Wilson was launched to sea. Trawler owners in the Brenda Wilson was for dash aid made to the

Caledonian-the Champion!

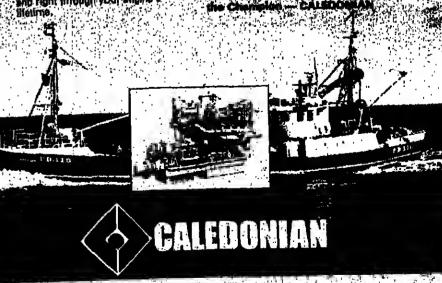
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AMERICA AMERICA CONTROL CONTRO

Committee Cat and III at a Lademarka of Catelpillar Tracitor Co.

And the second s

9 4

# Norway licences withdrawn

THE LATEST setback to the fishing industry at Grimsby ie the withdrawai of three distant water fishing licencee for the Norwegian sec-tor of the White Sea.

All three licences were held y Consolidated Fisheries and this means the firm has been forcad to lay-up Gillingham, Barnsley and Notts Forest. Now the firm has only Huddarsfield Town still fishing distant waters with its one remaining

The firm has protested most strongly to both the Government and the Ministry of Agricultura, Fisheries and

Barnsley and Notts Forest lauded their last trips at the Humber port last week and, ironically, Barnsley's £36,769 from 1,177 kits was the port's

three trawlers laid-up



66p In every £100 gross for some years, but with trawler catches getting smaller all the time through quota fishing and the loss of important grounds like loss of important grounds like likely to end up with the Arbitration and like loss of important grounds loss of important g

ironically, Barnsley's £36,769 from 1,177 kite was the port's top sarning voyege.

Gillingham, which resumed flashing in February after west this year with erroing a lines early May, Contons, will complete her last trip this weak.

So far Barnsley is

Barnsley comes home from a Norway coast trip with the week's best trip — to be ield-up.

Gillingham, which resumed flashing in the previously being withdrawn of core £210,000 from six solidated is now operating but five trawlars — and four the working on a trip-to-trip basis, plus seven other distant fleet at Grimsby. Which is two vessels and with Westerlies.

BRITISH trawlermen have re
Barnsley comes home from a Norway coast trip with the week's best trip — to be ield-up.

Grimsby's top distant water Aldershot also out of fishing the core previously being with the week's best trip — to be ield-up.

Barnsley comes home from a Norway coast trip with the week's best trip — to be ield-up.

Barnsley comes home from a Norway coast trip with the week's best trip — to be ield-up.

Barnsley comes home from a Norway coast trip with the week's best trip — to be ield-up.

Barnsley comes home from a Norway coast trip with the week's best trip — to be ield-up.

The Boston Group — which like BUT has interests the other working on a trip-to-trip basis, plus seven other distant fleet at Grimsby, which believe the at Grimsby, which believe the at Grimsby, which believe the true is no brighter.

The Boston Group — has one licence for its wet flish working on a trip-to-trip basis, plus seven other distant water ships which bave now water ships which bave now water ships which bave now water ships which has been underly till the first at Grimsby.

Another show were not light to group's top vessel which has been underly till the first at Grimsby.

Another show the resumthat the first and Norther of the stant at Grimsby, which were now have trip to trip has only Northern with the week's best trip — to be leaded.

The Boston Group — has only Northern working on a trip-to-trip has on

Unless the owners come up with an improved offer to the satisfaction of the crews and the TGWU — which represents the men — the issue seems

Conciliation Advisory Service.

Mean less poundage.

The owners say increased market boston Concord loid-up, with in conjunction with the short prices for fish have kept the poundage payments well in keeping with the old the water fishing.

An international libration, Boston Concord loid-up, with in conjunction with the short prices for fish have kept the poundage payments well in keeping with the old die water fishing.

An international libration, Boston Concord loid-up, with in conjunction with the short prices for fish have kept the poundage payments well in keeping with the old die water fishing.

SHIP

THE LOWESTOFF trawler Oulton Queen had hor anglas out of action following a switchboar fire on Tuesday events about 100 miles of the tiumber. She was expected back to her home per yesterday (Thursday). She was being towed but to port by another Tallian traveler, Norton Queen.

Oulton Queen's crew vie

trnnsferred to another

# REGATTA SUCCESS

THOUSANDS turned out last week to watch the first North Shields fishing regatta since the turn of the century—there was even o Fieet Queen.

Stephen Cross, superintendent of the Fishermen's Mission at North Shields and organiser of the event, said ha was surprised and delighted at the number of people.

"Following the success of this one, there is certain to be stother next year." he said

stother next year," he said.
The aim of the occasion had been to bring togethor lishing families in North Shields, and in fact very little money had been raised for the mission. Now, realising the poten-

tisl, we hope next year to sion, which does run at deficit," said Mr. Croes.
For 1979 he has been told that North Shields boats will be joloed by veessls from Blyth and local coble owners have also said them. Mays also said they will be

Shields, Coun. and Mrs John
Overall winner, and winner of the large boat class (over lie borrowed the hot them a lie borrowed the hot them a lies own had broken down.

dates (50ft.) was Oblisk, leightoo, end the amail boat Times (Skipper Ned Outer large was won by Tudar Amstrong).

Skipper Smith donated the proceeds from the first box to the Lossiemouth branch of the Royal National Mission to Deep Sea Flehermen.

The 85 ft. wood-bullt Sunbeam was ordered from the Peterhead yard of Richard Irvin and Some to replace a 75 ft. vessel of the same name built at the same yard. The vessel is to be reviewed in next week's Fishing News.

Sunbeam

A BOX of haddock sold for \$100 at Paterhaad last

dinary box.
It was the first to be sold in a maiden catch of 391 boxes by Skipper William S. Smith of Lossiemouth and bls crew of the Inverness-registered Sunbeam.

There was keen competition among buyers when auc-tioneer, Graham Lawrie of Gramplan Sea Flshing Ltd., offered the fish for sale.

Queeo of the Fleet was Skipper Smith has been spreagnted Newington fishermen operating from Peterhead for many years.

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# **fishing news** SCOTLAND — forward into the dark

Editor: Harry Barrett Assistant Editor:

Ian Strutt

Scottish correspondent: Gloria Wilson

Advertisement Director: Fred Purssell

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Aan Dunsford

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BRITISH trawiermen have rejected a ten per cent pay increase from the trawler owners

which included improved sea,



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THE SCENE is set next week for yet another 75-77 Ashgrove Road, Ashley demonstration of Scottish fiehing power. This Down, Bristol BS7 9LW.
Tel: 0272 425711

demonstration of Scottish fiehing power. This time it wiii take piace ashore, when the Catch '78 fishing exhibition opens its doors at Above as Above 2008 fishing exhibition opens ite doors at Aberdeen

on Wednesday. Despite ail the talk among exhibitors about using Aberdeen ae an internotional showcaeo for their products, the real attraction for them is the seemingly bottomiess pockote of Scottieh skippers, when it comes to forking out money on new boats and gear. Registered ae e newspaper at

The orders are expected to flow again ae they have done at past Scottish exhibitions, but this time there will be a difference. Not only will fishermen have to dig deep in their pockots, they will also have to draw on all their courage. Because this time they will be buying "biind," not knowing what the future and especially the EEC hoide for them.

### Efficient tools

Aii the instincts, so traditional in Scottish fishermen, will be at work encouraging them to buy and equip their boats as efficient fiehing toole. But coid logic will be asking if the future is bright enough to warrant such heavy investment?

The main foor is that a complete closed sharp on west coast herring would bring a sharp or tooling the countries have a etake in the west coast herring through an agreement with the EEC herring through an agreement with the EEC herring through an agreement with the EEC herring through a complete closed sharp on west coast herring would bring a sharp or tooling a sharp or

The dilemma is particularly obvious at Aberdeen where a large section of the trawling fleet is nearing the end of its days. Because they need to stay in fishing, companies have been forced to start building new vessels without any real idea

# Time-bomb

frightening.

The proposal by ICES scientists for a to herring ban represents something of a bomb ticking away beneath the industry, would be dire consequences, not only to Scottish float bath the major transfer and the western the second transfer and transfer and the second transfer and the second transfer and the second transfer and transfer an

situation? One thing is for eure, the consume

of the dungerous levois to which many of the traditional stocke have sunk. With a complete ban circady on North See herring, hadden prospects in the sunk of the state of the sunk.

prospects in this areo also looking very Blek. Of

the wost coost, tho herring situation is equally

cailing on the Government for more stringent concervation measures. This oculd be some stringent to the stringent concervation measures.

Government doos unitoterally, the EEC insist that ony action must not be discriminator. Which to do to the discriminator.

dangeroue course, because whatever the British

Which leads to the quostion of whether Scott

horring men would accept a complete ban onth

woet coaet, as scientists recommend. The main foor is that a complete closedor

Bravoiy, somo Scottish ropresentativas alt

Certainiy, Scottien fishermen ore wall aware

will not go on paying ony price to eat fish.

start building new vessels without any real idea of the restrictions they will be operating under.

Since the late 1960's the progress and returns of the Scottish fleet have been phenomenal. Earnings are still being pushed up with a \$18m catch in the first quarter of this year — nearly \$2m up on the previous year. From these early results there are already danger signs represented by an 11 per cent drop in the catch.

All that is happening is that quayside prices are managing to keep ahead of conservation measures, which are really starting to bite. The big fear is how iong is it before the price bubble bursts and no longer shields the declining catch.

# Pair trawlers' big debut

LIMANDA, the woodan and both in eeining and pair multi-purpose vassei bought locally at the and of last year by Consolidated Fisberies, got trawling under Skipper Johu-off to e great stert pair ny Hill since coming off the trawling with the winter sprats with Leando. Danbrit-agented Taorn-

solideted hes had a pnir The new team collected trawler working through its £20,412 from a 13-day trip, of which Consolidated's vessel offices, but the company is

It is not tha first time Limando has operated as a pair trawler. Before being sold to Consolidated she had several spelle with different

as en anchor-seiner with Con-solidated this year, and since her sale ahe hes been under the command of Skipper David Rose. Being experienc-

it ie the first time Con-

Ross of Limen-She is now pair trewling with the Denbritegented Team



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megrims in years last week when the Frem stern trawler Kereon put into port with 65 kits

In addition the vassel is ndad 30 of hoke, 45 of 250 of haddocks, 15 of whitings, 70 of coley and 3 of ling in her total of 702 which sold for £20,533—1

wack's biggest grossing.

But not far behind was a local ship — the atern trawier Boston Stirling. Skipper Bill whitings, 40 of coley and Bridge continued a good run in the vessel by bringing her back to port with 735 kits— loss on the voyage. 310 of cod, 150 of haddocks, 280 of coley and four of liske Quality

19,657.

For the storn trewier by Skipper Jim Buck by Skipper Jim catch — a disappointing 586 kits. But the far smallest trawler Morrie Jacob, middle watar grounds sleck it. was not surprising. The quality can often oversel's 586 kits soid for a quantity when she total of £16,006.

Also hit by siack middla-water flahing was the lorge eide trawiar Ello Hewett. Sho

'l'op near water trawle just 50 kits - moreths

whitings, 40 of coley and

Boats diverted

mant of aclos to Holland — hit a enag last week whit a domand by iumpare for £8 a man extra for isnder the boxed fish was rafused.

This resulted in two Dutch beamers, Morco and Johonna Cornelia, being divarted to nearby Glasson Dock where the crews unloaded their fish on to trailare for chipment to Holland.

Talke batween the lumpera

and Fleetwood owners on Wednesday last week eoded in deadlook and more Dutch vessels had to put into Glasson to land catches.

### Mixed

It was in the lets 1960athat

It was in the lete 1960a that Dutch beam trawlere began using Fleatwood as a landing base during the Morecambe Bay sole season.

Their soles— apart from small quantities of lerge— ware always sent to Holland, but what mixed varieties they caught were sold on the local market. Last week talks were being arranged and, also, on the matter of landings from Iceland at the port which have been banned by lumpers.

the bow some weeks now back in service.

have some experience of We would point out that

contamination of the drinking short erticles on this topic in water in such tanks. Briefly, the yeshting magazines of lets, but

styrens pollutante appear to be none appears to be very facgiven off from blisters in the tust. You can rest essured that

tank gel-coeting. The ressons the politiced water testes abfor such bilstering are solutely foul, even with only

effect of GRP bilstering has in investigating the possible health hezards but, at this time been, and is being, oarried out

by numerous bodies. What would suggest that your cor-

your correspondent wents to tenk of good quelity, with an

water will be sefe to drink and water will be sefe to drink and Mr. Burgass.

that there appaars to be con- If your correspondent has siderable doubt on this score. now built in hie tenk and cen-

We do know of a senior not seelly eller it, he may be

hospital consultant who change shie to fit a rubber or pleation ad his affected water tank to tank inside if he can get his fill-

Mainises steel because he is of ing and supply pipes con

numerous, but the oft quoted trace elements present.

"esmosis" is certainly one.

Research into the cause end

know le whether the effected

we can only say, at present,

problems arising due to styrens there have been a number of 11 Bothwell Btreet,

# SNATCHER SNATCHER SNATCHER of the service had made it difficult for him to keep up repayments of £120 e month on Bon A mi, seld his solicity, Athony Hunt. "He is most unpopular pots and rope have been addressed their livelihoods because of the solicities of Nigel Charlton of the S

E. K. Wellson & Son,

was later taken over by the British Transport Docka TWO Huli trawlere back

The old Leundry Lane date.

slipway, as it is known at the port, wes used during the last war for rapairing MTBs and six months.

Board.
In recent years Lowestoft trawler owners have often had to send vessels to other ports because of the leck of slipping facilities in Lowestoft. In many cases ships have had to be sent across the North Sea

Later the body of 73-year-old William Thomas Dainty was discovered in the No. two fish dook by Doughty's Jetty.

SEAFARER HANG

# Seafarer.

# For price, for service. Above all, for performance.

quelity, reliable equipment, the Seaferer people design, test and build with the most rigorous conditions in mind.

And throughout the world our equipment is covered by

en extensive service network.

So how do we explain Sesferer prices? Quite simply. By modern production melhods and volume menufacturing.

Every 7 minutes, day and night, 365 days of the year, a Seeferer equipment leaves our Pools factory for

Seaferer. Navigetional VHF redio and rader equipment built to the highest etendards, sold at the right price, with ever increasing world-wide facilities. Electronic Laboratories i.id. International

negnified screen £1480.00. Bezecen Radar III. 18 n.m. rang

# Echo sounders keep them in perspective

table by soho sounding feeding close to the bottom.

of gas in other species, in- Useful uding the cod family, causes s prominent soho return, but their absence in pielca, ecle,

writer that pielce, sole, dabs him!
stc. spend much of their life. STEPHEN E. HOLMES, this or partially submarged in (for end on behalf of), the wint more than a service and the light mud and very rere-

orgess' Log we feel motivated the properties of the reflecting to offer some constructive surface, there is no soho sounder in existence which has the resolution end nerrow basm width to distinguish between the poor tergst of a specification and supply of fishinding soho sounders, we feel suitably qualified to express our

fultably quelified to exprese our of white-line type mechanisms sentiments on the subject.

Firstly, contrary to the opinion expressed in the article in olarify the echoes of besinguastic. question, 'fist fish' era pelagio spacies such as cod mphetically not reedily datechaddook, or blue whiting

devices. Perhaps the strongest in summery it must be Medica street this partiouser stressed that scho sounders ers merine group hee developed due to its bottom living existence without a buoyanoy requisiting suitable distribution and requisition and requisiting suitable distribution and requisiting

eta, results in a poor sounding perspective es, sithough echo target, it is true that high fre- sounders ere very useful inquancy soho sounders will struments when opereted ourdetagt fish without rectly, they do not as some Wimbledders such es people may think bear eny Mackerel but, normally, a clear resemblance to a 'Star Trak' sideation can only be obtained style life sensor.

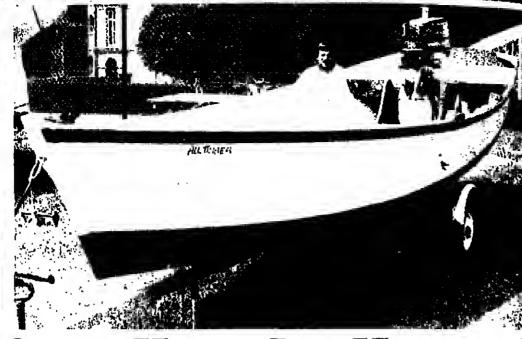
when sounding tightly grouped should, however, Mr.

Burgase know of such e Burgase know of such e Burgase know of such e Induces probability of detection coest Inshore industry would writer that pielos, and date him!

(I'w) in more than a few inches | instrumentation Ltd., Although the propagation of London ECSA 7DT.



which offers good valua for money the show wee this Poole Punt, made



maller hulls pull orders at

THE WEST Country Boat Show which closed last week was notable for a big range of flahing boat exhibits for inshoremen.

week was notable for a big range of Haning book exhibits for inshoremen.

With the country's major fishing exhibition firmly settied in Aberdeen, it appears thet the West Country builders use this show to ettack the local market. The event is now in its sixth year.

In sheer size the boat section was dominoted by the 37ft. GRP hull from Cygnus Marine. But it was in the amelier huils in this rangs which attracted the orders.

Haifway through the show, one 32, two 26s and one 21 had been sold, but it is significant that none of these are being soid in a completed stato. More and more fisharmen appear to he fitting out their own huils.

Polished

The Cygnus beets are yest.

hibiting its new 30-footer, the first completed bost of this type being delivered to an owner at Newquay this week. This big end of the hull ange drew many eaculries plus orders for 27 and 30 footers.

Versetility was exhibiting its new 30-footer, the first completed bost of this type being delivered to an owner at Newquay this week. This big end of the hull ange drew many eaculries plus orders for 27 and 30 footers.

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Versetillty was exhibiting its new 30-footer, the first completed to an owner at Newquay this week.

This big end of the hull ange drew many eaculries plus orders for 27 and 30 footers.

Versetilly was exhibition of the hull ange drew many eaculries week.

This big end of the hull ange first completed

The Cygnus boats ere getting a very polished appearence with their moulded hatchs and wheshouses. It is only by this sort of progress that they can keep ahead of the opposition—end the atrength of the opposition is mounting.

Treeve Marine, whose renge is growing to Cygnus—the characteristics of the control of the opposition is mounting.

Treeve Marine, whose renge is growing to Cygnus—the characteristics of the characteristics of the characteristics.

Tamer Boet Enterprises wes exhibiting its Flaherman was exhibited in the characteristics was exhibited and the

Treeve Marine, whose renge is growing to Cygnus-like proportions, had sold five boets by the mid-wey point in the show. Two ware 25-footers, one of which is bound for Saicombe with a 30hp Lister diesei. The other is being compisted as an engling boat for Dertmouth.

The Treeve Cove Boet — a very pretty 16-footer — is finding grest fevour with the beach fishermen of Cornwaii. The seventh huii of this type was sold at the show.

Treeve Marine, whose either single of twill and the sold five bounds for the show anything new epart from making determined efform sold five beach fishermen of Cornwaii.

The seventh huii of this type was sold at the show.

Treeve Marine also hed Winters Marine, was not beach fishermen also hed Winters Marine, was little activity and her wa

The seventh huii of this type was soid at the show.

Treeve Marine also had winters Marine, was which will be built initially in foam sendwich or C-Flex.

The first of these will be going to the Chennei Islands. A 20-footer is also on the stocks.

Aquariue Marine, which is based at the old Porthleven Shipyard, is the latest builder to join the battle. It was ex-

the show was a one-ton varsion of the Caltic Siave
ballsr. This extends the
sange end breeks new ground
by having the heuier sheeve
made from forged stainlese
stel, a feature claimed to
give a much ionger working

This is the Lifaguerd mads in
both four and six man versions but, ea yet, does not
have D'II approval (this is
expected shortly).

Unique

Trensstisntic Fishing Systems was also showing a law line hauler which incorposates a simple mounting plate. All bearings are now contained in the motor houseles to simplify installation and maintenance. Pull of this lauler is 1,100 ib. The firm was also exhibiting a portable fish and mast smoker designed for domsetic uso.

Here it was competing with

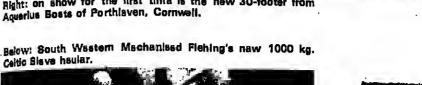
Here it was competing with the intinitables Mr. Leakey, who was busy demonstrating both his smoker and interesting systems.

Altogether a very successful show and one whise the bettie for fishing boet orders started to hot up. A new liferaft at a compatitive price was being shown by Western Sescreft.

Walls the best of the circumstalling with the circumstalling with the circumstalling with the best of the circumstalling with the circ



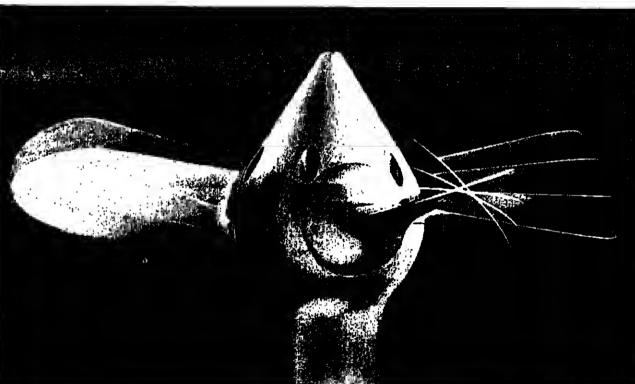
Cove Boat stracted a lot of tention at the Treeve Merine stand.





Right: on show for the first time is the Aquerius Bosts of Porthlaven, Cornwell.

THE REVOLUTIONARY **PROPELLER** 



Some 40 years ago, we started making our Multi Pitch propellers in order to unite maximum power, speed and manoeuvrability in the same

The pitchable propeller blades in a Multi Pitch unit offers unique manoeuvrability in any condition, and you can choose between maximum power or maximum speed without changing the engine's RPM.

WE DEMONSTRATE ALL THIS AT THE ABERDEEN EXHIBITION STAND NO.A400

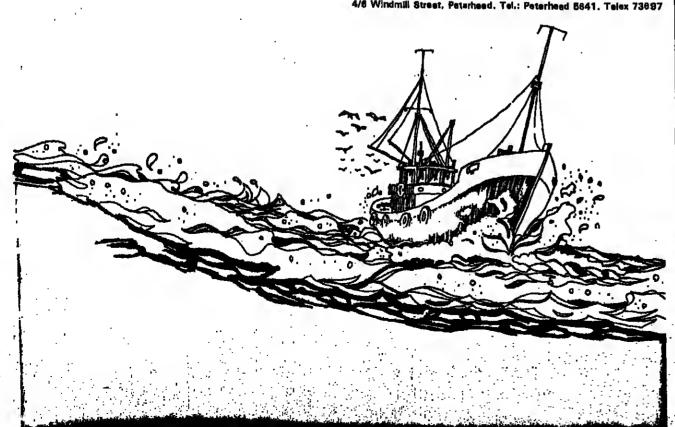
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# ONE GOOD **TRIP DESERVES ANOTHER**

Scottleh fishermen do bettle in the roughest conditions imaginable to bring back some of the finast fish in the world. Bellamy ere on hand when they come home to secure the best of the cetch and ensure that h is delivered to you in perfect condition. After all when our fishermen take all that time and trouble to get it to port we feel it only fair to make the next trip one you can

**BELLAMY** SEA FOODS



at last

ireduced in Ireiand.

confiscation of gaar and catch ara to ba la

pressure from fishermen and nounced that the new Bill will

the national interest, it is be introduced within e fort-

Ireland gets tough

TWO OF Fieetwood's Arlanda was also commost successful sida manded by Syd Cbristy and trawiers were dua to Skipper Tom Christy as well. laava for Africa this wask He had a successful run is the to begin a new flahing vessel on the middle-water career out of the grounds and she eaded up as Chanaian port of Tema. top ship on more than one The ships are involved in occasion.

Side-fishers DEEPSEA MEN URGED

a deal between the firm and an African company, but thair departura was delayed by currency difficulties.

The vassels Maretta and Cocasion.

Cocasion.

For the voyage to Africa, could help to eke out diminishing quotas of cod and haddock, says a report issued by the MAFF Laboratory at Lowestoft.

Experimental fishing on the continental

delayed by currency difficulties.

The vessels Maretta and Arlanda were on oil rig standby work before their sale but now revert to their original role.

Maretta was built in 1965

At Beverlay and made ber name by being top ship at Fleetwood two years running. At that tima she was commanded by Skipper Syd Christy who worked the east side of iceland.

Hull and Arlanda by Skipper John Dunne of Fleetwood. When they arrive most of Skipper and the delivery crews will fly shelf to the west of Britain produced catch rates on some grounds equal to traditional distant water fishenes. The big difference was the species of fish. Among what were considered to be the more marketable species, the grenadier provided the biggest haule. Catches were taking ovar from them. This latest sale continues a series of sales of Fleetwood wessels to Africa — ranging from aide trawlers to modern inshore vessels.

Grenadiers were found in most depths between 350 and 550 fathome, but the fish were discovered to be concentrated in a

Found almost everywhere were black scabbard, with the heaviest concentrations from Tory to Suliaker and on Rosemary Bank.

### **Good quality**

The report concludes by saying: "With the present high price of fish it is difficult to believe that, given a proper programme of market research and advertising, there is no market in this country for good quality fish if provided in the property of the available all the year round at 20 per cent less cost than cod."

the port in 1928 with the leg

New deep-water trawling grounds to the west of Britain, by J. P. Bridger. Laboratory leaflet No.41, Lowestoft.

**OBITUARY** 

# **FLEETWOOD**

Ernest Wright, has died at the ege of 85. Mr. Wright can from a Srixham family and was known at the port as "Daws"

and Son Ltd. and saved h & Royal Navy during the fin World War. Ha skippered me

Co. from Milford Haven, b

Mr. Woodgate was a ship

# Net partnership

THE fishing nat manufacturars J. & W. Stuert Ltd. will shortly operate as a partnership between John R. Stuart and Bridport-Gundry (Holdings) Ltd. J. & W. Stuart Ltd. will continue under the present management with Mr. Stuart, who is managing director. Bill Summers and Walter Hay will become directore responsible for production and sales respectively.

Manufacturing will continue at Esk Mills, Musselburgh, where it is planned to expond production in redeployed premises, and at bronches in Lowestoft, Fraserburgh and Buckie.

The net-making interest of J. & W. Stuart Ltd. in Angola and Portugal will continue under seporate UK ownership and management.

NEWINGTON'S C. S. Forester remains on top of the Distant Water Challenge Shield Composition monthly table.
However Marr's Westella recently regained second place over Hamling's St. Dominic.
The table below shows the latest top ten vessels with figure

in brackets for positions held the previous month.								
Position 1 (1) 2 (3) 3 (2) 4 (5) 5 (6) 6 (4) 7 (8) 8 (7)	Vessel Kits landed C. S. Forester (Newington)	P 2 1 1 1 1 1 1 1						
9(10) 10 (9)	Ross Sirius (Boyd)							

# Fifth tragedy

dragged over the side by the

members, but attempts to revive him were unsuccessful. He leaves a wife and two young children

revive him were unsuccessful. He leaves a wife and two young children.

The 50 ft. Gull Maren was orlginally bullt in Scandinavia, but was sold to an east coast skipper when the foreign owner shot himself. This was not to be the last suicide aboard the Lowestoff registered boat. Her next owner hung himself.

When the boat came into the hands of the Pitman family she was still to be dogged with bed luck. A crew member attempting to board her was drowned when he fell between the boat and the quay.

Christonitul and Christonitul as written to the Dephas written to the plant of Trade to prove the Dephas written to the plant of Trade to prove the Dephas written to the plant of Trade to prove the Dephas written to the plant of Trade to prove the Dephas written to the plant of Trade to prove the Dephas written to the plant of Trade to prove the Dephas writen to the plant of Trade to prove the Dephas writen to the plan

TRAGEDY has struck the Weymouth, Dorsat, trawiar Gull Mnren (LT 101) for a fifth tima.

Fishing three miles west of Portland Bill early on Wednesday last week, crew member Alan Ellery was dragged over the side by the

# Protest ove

Representatives of the statistical with some form of control over the rensgade boats. The Scottish Flabermen's Scottish Flabermen's Scottish Flabermen's Corganisation representatives will also meet at Fraserburgh, where they will discuss the matter.

It is understood that the Department of Agriculture & Fisheries for Scotland will meet industry representatives towards the middle of this month.

outend will hold their a scientific working group of a first meeting under a now ban on the West Coast corporate Image at fishery, the meeting would friday friday

For the past 50 years they have opereted under a Scotish Herring Producers' Association benner. Now they will come under the title of Scottab Pelagic Fiehermen's Association. The second second producers are concerned that closure of the fishery would trigger off reciprocal action from Farce and Norway which through agreements with the EEC were allowed quotas of West Coast having Coast herring.

Absidesn-based secretary, and that not so much herring the secretary and the former came was not represents the control of their talks at Luxembourg on their talks at the control of their talks at the control of their talks at the control of the The Anglo/Scottlah

represents tive of many members' sctivities which appears and other pelagic meet today. Producers' Organisation also meet today. They will discuss Shortage of supplies coupled with restrictione and the size of the berring fleet.

The North Sea was closed and the west Coast quotse were restricted.

The Covernment bad been given until Juns 5 to come up with some form of control over the rensgade boats. The

Mr McColl added that in



fishing for dogs really got into its stride last week with several early landings. A double landing during the week by Skipper David Hunt's Lowestoft-registered inshore boat Alison Jane produced 182 kits which found plenty of buyers willing to go well over £35 per kit for large fish.

A spokesman for agents, Sam Chapman & Sons Ltd., told Fishing News it had been a very good start with the large fish selling especially wali.

### Good start

Chapman also brought in Pioneer, now under the command of Skipper Ron Lusher (formarly of Sparkling Star). Pioneer (KY 35) made a nice atart with mostly small fish

which averaged nearly £24 per kit.
Also on the Inshore side the Hamlingsgented Solee, down from Scarborough,
grossed £1,753 from 45 kita, mainly of cod,
whilat Tom Sleight had the former Grimsbybased inshore Willemina landing to its agency again and from 30 kits, mostly of roker,
the inshore boat mode £1,432.

# NEW regulations providing for a massiva increase in the penaltias for illagai fishing and the confiseration of great and act to the penaltias for illagai fishing and the confiseration of great and act to the penaltias for illagai fishing and the confiseration of great and act to the penaltias for illagai fishing and the confiseration of great and act to the penaltias for illagai fishing and the confiseration of great and act to the penaltias for illagai fishing and the confiseration of great and act to the penaltias for illagai fishing and the confiseration of great and act to the penaltias for illagai fishing and the confiseration of great and act to the penaltias for illagai fishing and the confiseration of great and act to the penaltias for illagai fishing and the confiseration of great and act to the penaltias for illagai fishing and the confiseration of great and act to the penaltias for illagai fishing and the confiseration of great and act to the penaltias for illagai fishing and the confiseration of great and act to the penaltias for illagai fishing and the confiseration of great and act to the penaltias for illagai fishing and the confiseration of great and act to the penaltias for illagai fishing and the confiseration of great and act to the penaltias for illagai fishing and the confiseration of great and act to the penaltias for illagai fishing and the confiseration of great and act to the penaltias for illagai fishing and the confiseration of great and act to the penaltias for illagai fishing and the confiseration of great and act to the penaltias for illagai fishing and the confiseration of great and act to the penaltias for illagai fishing and the confiseration of great and act to the penaltias for illagai fishing and the confiseration of great and act to the penaltias for illagai fishing and the confiseration of great and act to the penaltias for illagai fishing and the confiseration of great and act to the penaltias for illagai fishing and the confiseration of great and act to the penaltias for



To the townsman, fishing is an outdoor life. To the fisherman burning the midnight oil over piles of paperwork, it's a full time business where there are no early closing days and where a head for figures is as important as an eye for the weather.

Good to know that your Bank understands from long experience. the particular problems a fisherman faces. Good to know that your Bank has specialist services available to help you with any problems that may arise. Bank of Scotland can assist you with Loans, Income Tax, Insurance. Estate Planning, Executry or indeed any financial matter.

Call in at your local branch. The manager and staff will welcome your enquiries.



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Purse seines from SAGANET BERGEN, NORWAY

Midwater and bottom trawls from DANTRAWL, DENMARK

June 9, 191

Abergien Holdings Ltd. Advance Design Developments A284 A261B B524 BBG2 Afos Ltd. Alcoe of Grast Britain Ltd. Alexian Electronics Ltd. Allibert Container Division Andarson Packaging (Abardeen) Ltd. Anglassy Fire Protection Anglo Belgian Diasel Co.

Aranoo A8

Aquarlua Merina Outsida Ashton Containers Ltd. von-Brunsi Merine Ltd. Samford & Co. Bank of Scotland Sidaford Shipyard (1973) Ltd. S. & P. Bielr Enginears B892B Soria Net Co. A138 Jas Bowen & Co. BBB2E Bridon Fibres & Plaetice Ltd. B648/B650 Bridport-Gundry Ltd. A43G B774 British Brown-Boveri Ltd. British Marina Equipment

8804 8808

**8638** 

A2B1g

868GD

A288 8518 8789 8608 A308

Outside

Displey A23G &

A26G&

Hanry Browna & Bon Ltd. 8. G. Srown Ltd. Brunton's Propallara Ltd. Caladonian Tractor & Equipment Campbaltown Shipyard Ltd. Cattermerine Challangar Diving (Fish Sailing) deedels Bank Ltd. Colts Engineering Co. C-Power [Merine] Ltd. Cygnus Marina Ltd.

**Danish Export Group** Association

J. F. Duffiald & Partnera

A33G The Daoca Navigator Co. A380 Deebridge Electrical Enginaars Ltd. **A43B** Dapartment of Aprioulture & leherias for Scotland B**9**G2 Dapartment of Trade & BBOG Domnan Diseals Ltd. A117 DRG Merton Packaging .B604 M. G. Duff & Partners Ltd.

Your ticket to Catch '78



# list of exhibitors

B**98**0C

B912 &

A298 &

B614 ·

**A2B8** 

A108

A21G

**B75G** 

|Engineering| Ltd. Elactronic Laboratories (Merine) Ltd. Enterprise Sheet Metal Co. Euro-Cetch '78 Eurocleen Ltd. Europeen Marine & Mechinary The Export Council of Norway Eyemouth Engineering Co.

F. A. L. Scottlah Propaller Bervice Farguson & Timpson Ltd. Graham Farriar & Co. Fisadco Ltd.

Flehing Hydraulice (Scotland) Ltd. Flahing News", "Fishing Naws Internetional" & "Fish Ferming" Henry Flaetwood & Bone

From: June 14 - 18

Venuu: Queen's Links, Aberdeen

Sponsors: City of Aberdeen

Daily opening: 10.00-18.00 hours

Organisers: Eagle Exhibition Consultants

Andrew Galloway A282 A281A GEC - Merconi Electronics Ltd. B704 BB52 B618 Gerrard Industrias Jemas Greig (Wireworks) Ltd. **BB34** Gordian Strapping Ltd. B500 **GPG Products Ltd.** BB76 A208 Helmatic (Beatland) Ltd. Outside Olapia BB7G& B77G AB Hademore Varkstede A308 B**98**0G Highlands & lelands Devalopment Board B752 A126 Hull Bteslcraft Co. Ltd. B602

Hundasted Motor &

THE SHOW will be officielly opened at

11 e.m. on Wednesdey, June 14, by the

Lord Lieutenent of Aberdeenshire,

Meitiend Mackie. Following his open-

ing speech, the Lord Lieutenant will

tour the stands at the exhibition which

ere to be housed in two pavilions. A

firm supporter of fishing end

egriculture, Meltiend Mackie says thet

these industries must not be neglected

for the sake of a temporary bonus from

Aberdeen Fish Producers' Organisation

British Marine Equipment Council

Scottish Fishermen's Co-operatives

Scottish Fishermen's Organisation

Scottish White Fish Producers' Association

The same of the same

(Fisheries Division)

Herring industry Board

White Fish Authority

Angio-Scottish Fish Producers' Organisation

I.M.P. | UK| Ltd. A40B inco Ziagre i UK j Ltd. A202 8 A204 Jeckson Trewls (sae Bridport-Gundryi Joint Trewlare Ltd. Jotun-Henry Clark Ltd. A131 Kelvin Diesela Ltd. Kelvin Hughes

Porsons Chain Co. Patorhead Herbours Palters Co. Potters Ltd. Post Office Talecommunications PSIMAT Ltd. P. W. Insulations Refrigeration (Aberdoen) Ltd. Richards (Shipbuilders) Ltd.

W. & J. Knox Ltd. Krupp Atlas Elektronik

Samuel Ledray & Sons Ltd.

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R. A. Lister & Co.

(Marine Division)

Lossia Hydraulic Co.

Edward Macbeen & Co.

Macros (Ardrisheig) Ltd.

Luces Marine Ltd.

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Moba B. V. | UK] Ltd.

The Napior Co. [Arbrosth]

Nowage Engineers Ltd.

Naco Communications Ltd.

Nordischer Maschinenbeu Rud

Hugh Normon (Marine Sales)

Northern Toul & Gear Co.

Orkney Boatbuilders Asse

North Son Winches

Odd J. Soinordal

Transmissions

McTay Millar

Morap Ltd.

Norgant A/S

James Robertson & Sans (Fleatwood) Ltd. Roundlande Ltd. The Royal Bank of Scatland Ruston Diasals Ltd. Saab Division

SAIT Electronics Solvus Bein (Management) Ltd Affi I. T. Soott Scottish Bostowners' Mutual Insurence Association Soottish Federation of Fishermen's Co-ops Sea-Dog Ute Saving Applioneas (Scotland) Ltd. Saumon'o Mission Salf-Changing Gasts (c/o Alvie Ltd. Shortway Ropes & Guides Ltd. Charles Biddon Ltd. Societe Grossol South Wastern Machenised

Sperk's of Aberdeen Ltd. Stork-Werkspoor Dissel S.V. Stratholyda Maritima & Par 8. Stromberg A/8 J. & W. Stu Styropsok (UK) Ltd. Temer Sout Enterprises Ltd.

T. & H. Fire Extinguisher Co. Tillotsons Case Division
Transatisn tio Fishing Systems
A127
Trew Equipment (Aberdson)
United Wire Ltd.
A365 Volvp-Penta-Wagner Engineering Associates
Weld Morgan Associates Ltd:
Warwick Pump & Engineering
Wesmar Sons r Merina Radio
Whaway Watson Holdings Ltd:
White Fish Authority
Wilmar Engineering Co.
"World Fishing"
Woodsons of Aberdeen Ltd. Associates

Stand numbers subject to

The success of Cetch '78 (below) looks like being repeated when the show opens on Wednesdev next wesk at the Queen's Links, Aberdeen. The range of exhibits is lerger then in 1976 and there is a true international flavour with exhibits coming from a large number of overseas countrise. The show hes a fiveday run.

THE MOST powerful display of fishing hardware seen in Europe for a long time will be gathered on the Queen's Links at Absrdeen next week. A host of equipment from 16 countries will be unveiled when the Catch '78 fishing exhibition opens on Wednesday, June 14, for a five-day run.

The reputation of the "Catch" series of exhibitions has grown rapidly following its debut in Devon three years ago. Now, at Aberdeen, the series takes on the status of an International show. This has been brought about, not only by the equipment which comes from all areas of the world, but by the promise of visitors from New Zealand to Iceiand.

The show - nearly twice the size of the last Scotlish exhibition in the series et Aberdeen in 1976 will cover some 100,000 sq. ft. and the organisers delm that "It will be the biggest fishing show in Europe", looks well founded.

A dominant presence at the show will be mainlained by Norway with a national stand comprised of li companies, with equipment runging from power blacks to fish boxes. The Danish Export Association will elso be weighing in with a large display.

A number of exhibitors will be using the show to put equipment on public display for the first time. Among these will be Marconi with its muiti-coloured

blue whiting. The Baader Colts Engineering. This firm based at Ryton, Tyne & heading, filleting and ikinging machine. Work- of hydraulic deck machinery as successors to A. W. can fillet blue whiting at a speed of 120 fieh-a- windlassee, seine capstene. There will be a cut-away windlassee, seine capstene. It will be a cut-away will

laking part. Nets, ropes,

The only thing missing this time at the show will be a fishing conference. This was going to be stagdly the White Fish Authority, but has now been postponed.

Exhibitors are reported to be not too discount.

ported to be not too disappointed at this news — they believe it will give lishermen more time to

In the following pages we take a look at some of the equipment to be dis-



factory in Stornowey, Iele drume.

of Lewis.

Of Carlot y will be "6000"

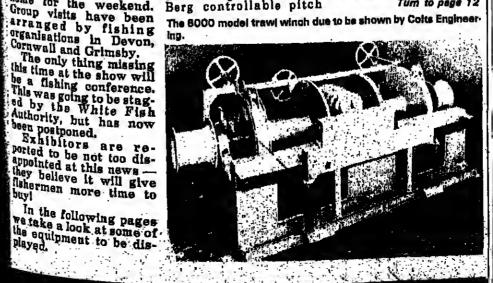
geerbox deelgn.

from Berg, e mode Arenco of Sweden will trawl winch, plus line and pot slave be introducing its clisses be introducing its clisses and a five-ton, skinning white fish fillets. An important advantage claimed for this machine is that it uses a "fixed" skinning knife.

The show will have plenty of power on tap with 35 suppliers of marine engines, aux-liaries and transmissions laking part. Nets, ropes, losts and a wide range of the content of the firm is content of the cont

laking part. Nets, ropes, losts and ewide range of deck bandling machinery in the latery Agencies (286 kW) merine propulsion will add up to a feast for Saturday and Sunday are expected to be the big days at the show, with most of the inshore fleet home for the weekend. Group visits have been to 25 tonnee mid-layer pull. (Stand A117). This firm will ehow ite 12JTM 384 shp (286 kW) merine propulsion unit at Catch 78. The unit consists of a 12 a Reintjes type WAL 400 cylinder 'Vee' form, turratio 4:1 gearbox with bocharged, water cooled, hydraulically operated diesel engine, close coupled to clutch. Together with the a reverse/reduction gearbox.

Berg controllable pitch



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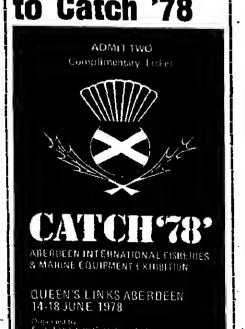
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Teriff Roed, Tottenhem, London, N.17. Telephone: 01-808 2702-3 Grams: Acmelectri, London, N.17.

UK AGENTS

Powerwise Ltd. Mair St. Knutsford, Cheshire, Tei: 0585 4318 Mr Ti Climie, 25 Moor Rd, Eaglesham, Gleagow: Tel: 03553 3312



### CATCH '78 PREVIEW

volume of 19.9 litres, and to complate with 24 volt electric starting end charging systems and incorporates a sealed no loss fresh water cooling highlighting its full range of the cooling and the cooling highlighting its full range of the cooling and the cooling highlighting its full range of the cooling and the cooling highlighting its full range of the cooling and the cooling and the cooling highlighting its full range of the cooling and the cooling highlighting its full range of the cooling highlighting its full range.

engines.

The NTA-855-M is a compect, lightweight unit with a choice of PTO positions. At the front end a clutch or hydraulic PTO cen be fitted.

The Cummins V-504-M exhibiting a selection from its exhibiting a selection f

The Cummins V-504-M engine has proved popular with faet inehora boats. With an output of 162 bbp (121 kW) at 2800 rpm the V-504-M has a very high power to weight retio. It is e compact sngine thus minimising instalation difficulties end giving the most capacity for peyload.

The biggest Cummina engines are evailable in inline models. The K family of engines are oveileble in inline eix, Vee 12 and Vee 16 formetions. The Vee 16 is the letest K model—announced at the Hanover Show in April.

The in line elx cylindar KTA-1150-M and the Vee 12 KTA-2300-M will be et the exhibition.

Petter Marthe Diesels is sexibiting a selection from its range of marine diesel enginee and marine battery charging and generating equipment at the exhibition.

On diepley will be the air cooled 4.5 bkW (6 bhp) AC1Z, a water cooled 9 bkW (12 bhp) Mini-Twin, e 12.2 bkW (16.4 bhp) PH2 end a 33.6 bkW (45 bhp) PJ4 model, the lergest in the Petter range.

The AC1Z will be shown interest at the Hanover Show in April.

The in line elx cylindar KTA-1150-M and the Vee 12 KTA-2300-M will be et the exhibition.

B&W Alpha Diesel AS par-Diesel engines, covering the borsepower range from 400 to about 5,000 bhp, were introduced into the British market in 1972.

The complete propulaion ayatem conslats of engine, reduction gearbox, propeller equipment, remote controle, and all necessary occessories to cover a complete propulsion peckege, all designed, produced, delivered, serviced and guaranteed by the same

company.

As a new development, propulsion eystems based on four-stroke, Inline, diesel engines, ranging from 725 bhp to shout 2,000 bhp heve been introduced this year.

cylinder, vee-built, four- perience in this field end hav-

Engine and gearbox are supported on individual mounting fset incorporating holding-down bolt holes and jacking screwe.

The engine has a bore of 130 mm and a atroke of 125 mm giving a total ewept volume of 19.9 litres, and is complete with 24 yolt electric

oapirated form producing 196 bhp (145 kW) at 1800 rpm. There is a turbocharged 275 bhp (205 kW) version and the new 320 bhp (239 kW) rating.

The NT-855-M which produces 275 bhp (205 kW) at 1800 rpm will also be on show. Rotational piaton speede of this model are low. 30 ft./esc., (9.1 m/sec.) comparable with medium speed engines.

The NTA-855-M is a comparable with medium speed engines.

The NTA-855-M is a comparable with medium speed engines.

The NTA-855-M is a comparable with medium speed engines.

KTA-2300-M will be et the exhibition.

The K eeries chare the eeme 6.25 in. (159 mm) bors and stroke dimensione and have a 85 per cent parts interchangeability between the modela in the range.

Also exhibited will be a Petter Refrigeration Ltd. DFM transport refrigeration unit auitable for inetallation in inculeted vebicles intended for the carriage of fresh or frozen fish.

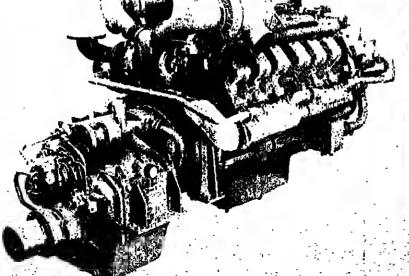
terchangeability between the models in the range.

Ths KTA-1150-M produces 470 bhp (350 kW) at 1800 rpm.

In Vee 12 form the KTA-2300-M has a power rating of 940 bhp (701 kw) at 1800 rpm. Compared with medium speed units of similar output the KTA-2300-M is around three tons lighter, making for greater payload potential.

To the Carriage of treen or frozen fiels.

J. F. Duffleld and Partnare. This Norwich-based firm has recently been appointed UK concession-airea for Farymann marine diesell enginee and are presenting a dieplay of the model range et the exhibition. With meny years of ex-





On show la e complete
On show la e complete
propuleion eyetem, type
8723L-VO, based on an eight- Dorman's 12-cylinder, Vee-form, 12JTM diesel develops 384 shp, B. & W. Alpha's in-line six (type 5723L-VO) is a four-stroke pushing out \$70 bhp.

etroks dissel engine develop- ing worked in close coshermen and boetbuildere, Farymann have built a service and reliability. The renge of engines is particularly euited to small fishing and work boats — the nioney-conscioue fisherman

FISHING NEWS

ning coets.

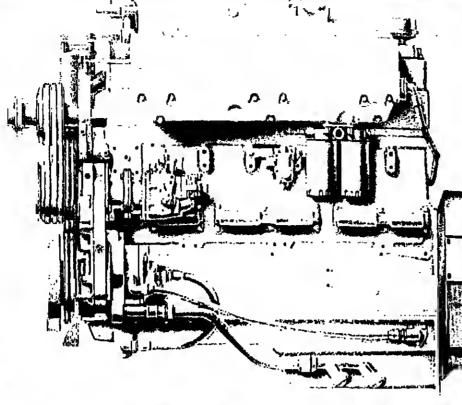
The rauge of engines are both water and air-cooled and Cummine Engine Co. Ltd. (Stand A306) will be launching a new marine engine et the exhibition.

The new unit is the NTA-855-M, s turbo-charged and after-cooled addition to the Shotts built 855 range. The NTA-855-M produces 325 bhp (242 kW) at 1800 rpm.

For marine use, the 14 litra 855 ia now aveilable in naturally capirated form producing 196 bhp (145 kW) at 1800 rpm. There is a turbo-size.

The new unit is the NTA-855-M produces 325 bhp (242 kW) at 1800 rpm.

For marine use, the 14 litra 855 ia now aveilable in naturally capirated form producing 196 bhp (145 kW) at 1800 rpm. There is a turbo-size.



engine are available at Aber-

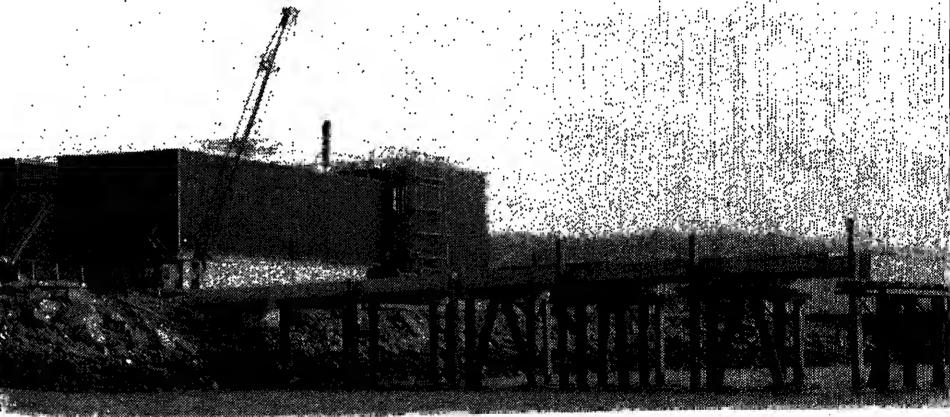
model is the largest meint diesel the firm is to display at Catch '78. This is a 45 bhp unit.

rongs of Farymenn dissels to be exhibited by J. F. Duffield



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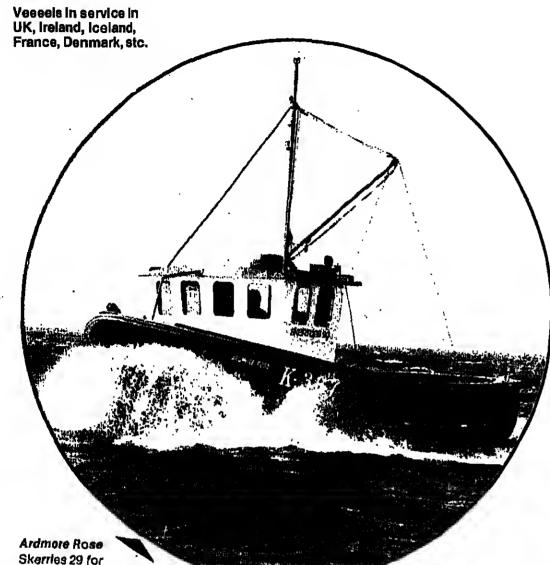


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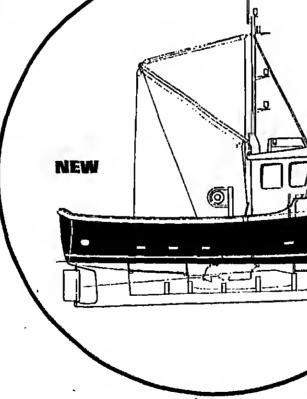
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Dispi. (Appr.)	41/2 t	71/2 t	121/2 t	55 t
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# CATCH '78 PREVIEW

C-Power (Marioe) Ltd. A rangs of eight angioes beeed on Ford and Leyleod units from 33 bbp to 180 bhp and suitable for instelletion in craft up to 70 ft. C-Power merkets its products direct to the UK boat builders end owners.

A complete range of direct cranksheft driven, clutched and hydreulic power tekeoffs, to euit most commercies epplications is aveilable.

Merine Laboratory Depertment of Agriculture and Fisheries for Scotlend. Blue whiting, gear resserch and the merioe nvironment end oil ere the

on show.

Blue whiting, which migretes to epewn west of Scotland in March-April each year, mey be able to help fill some of the fish supplies gep when a number of technical problems beve been solved.

Marine Lab estimates in Marine Lab estimates in Marine Lab estimates. dicate thet the stock is severei million tons and that so an-nual yield epproaching one

nusl yisid epproaching one million tons could be sustained. This year's research is concentrated on the possibility of extending the fishing sesson eround the UK.

Gear research: e four-panel trawl will be on display. Underwater cine and TV films will show different types of other board. operating on smooth end hard grounds, the sand clouds they senerete end the special features of the Merine Leboratory's four-panel trewi

information on the four-panel trawi shown in the films and delagic gear for dual demersal/paiegic trewi-ing will be illustrated.

dual demersal/psiegic trewing will be illustreted.

Marine environment and oil After Torrey Canyon end Ameco Codiz, it is clear what massive oil spille cen do to inshore merfoe i if e and fisheries. The exhibit shows the weys by which lerge emeunts of oil recoh the North Sea from air, isnd, divers, shipping end the oil industry.

For verious levele of oil pollution there could be cortesponding effects on sea wide, and provided by the Royai Bank of England.

For verious levele of oil pollution there could be cortesponding effects on sea wide, plockton end fish; but shows about the 'nsgligible' amounts so common striywhere nowedeys. The leb shows diegremmetically leavel is trying to find out.

Beink: divers filming from en underwater observation vehicles. The results of their work will be seen on the Merine laboratory stand.

The Royai Bank of The firm hes now sat-up a mobile service operating to the largest of the scottish banks with over 500 brenches, eub-branchee and mobile service operating throughout Scotland, London and perts of the north of England.

Eanking facilities are being novided by the Royai Bank on Stand B680 on each day of the sxhibition sxcept Sundey.

Manegere from various appelled e major development in the country side of finance or offer edvice to exhibition visitore.

Founded in 1727, the Royai Bank of the mobile service was inaugureted. Are mound in the firm hes now ast-up and braided netting twines.

The firm hes now set-up and braided netting twines.

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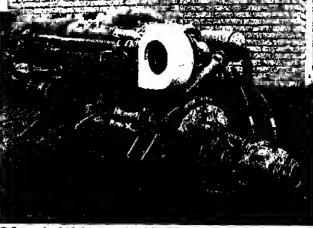
The firm hes now set-up and braided netting twines.

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The firm hes now set-up and braided netting twines.

The firm hes now set-up and braided netting twines.

The firm hes now set-up and be extensing to supply fully-rigged nets. It has been supplying r



C-Powar's 182 bhp model 8/383TCIC diesel — one of eight angines the firm osn supply.

exhibition is the Fishermen's Bell. This will be repeated this year at the Beach

year at the Beach
Baiircom in Aberdeen
on Friday, June 16.
This 'let your heir
down session' is in eid
of the Royei Nationel
Miscion to Deep Sea
Fiahermen. Besides the
denoing and a siap-up
supper, there will be e
tombola stend end a
big list of prizes.
Tickets for the ball
ere priced at \$4.90 and
cao be obtained from:
Mr. A. Corrigai, PO
Box 101, Victoria

Box 101, Victoria Road, Torry, Aberdeen. Telephone: Aberdeen 877071.

Boet Bank (illustrated on the stand MV Otterbonk), until this was replaced by a service utilising the local air service which was able to operate throughout the year irrespective of time and tides.

W. & J. Knox. On show will W. & J. Knox. On show will be a comprehensive reoge of producte which embrece "Gourock" trewis, polythene end nylon trewine titing, gill nets mede from e veriety of materials, polypropylene end nylon creyfish nets, salmoo end cod nets made from monofilament or nylon end, of medial interset at present of special interset et present, polypropylene cod wreck

Knox has been supplying the acknowledged experts in this field of wreck fishing, the Danes. Now it is finding e growing interest in this country. It can supply either sheet nets or fully rigged nate.

Also on displey will be fish ferm case netting, fiotation over Britain end Eirs, white oversees business renges from a design commissioned by Icslandic owners to a fishery treining vessel being built in lindonesis.

Nepiar is known internationally for its involvement on the etablity of inshore and

Aiso on displey will be fish ferm cage netting, fiotation unite end e comprehensive renge of fishing lines, twisted and braided netting twines.

The firm hes now sat-up a net repair service for purse seines at Kilbirnie, Ayrshire, and the firm eventuelly eims to supply fully-rigged nets. It has been supplying repair panels in this country and, elso, exporting to ieeding Norwegien net-makers.

The etenderd Thistlebond epoxide resin system is supplied, pre-measured, in the correct quentities for mixing. The resultant reain mixing. The resultant reain mix is applied with a brush as the glass fabric re-inforced leminete repeir is built up. Repeire, once the resin eystem hes cured, heve successfully withstood high

pressures.
The 'C' Kit hes proved perticulerly popular in fishing boete both in the UK and oversees. There ere three further sizes of standard Thistlebond repair kit to suit maintenance neede. Aiso, en extensive rangs of individuel Thistlebond products end further epeclelised Thistlebond kits eil of which have been developed to solve perticuler meintenence

The Nepier Co. (Arbroath) will exhibit plene, photographs, stability date, etc., on some of the vessels it

has designed.

The firm reports busineee trebling in the pest yeer.
Esteblished in 1969, it is now e feeding British designer of fighting process. fishing vessels, from smell open boets to sophisticeted puresrs end stern trewlers in steel, wood, GRP end ferrocament. Clients come from ell

Nepiar Is known inter-netionally for its involvement on the ete bility of inshore and offshore fishing vessels. Work includes

vassels, etc., while the firm'e extensive dete end experience is useful on deelgn work where stebility is e major consideration.

The firm can provide e compreheosive service for builders or owners, including preliminary proposeds details.

preliminary proposele, deteiled plans, supervision of construction. With essocietee, it can offer peckege deels for fisherlee developments oversees and edvice on all espects of fisheries, veesels and marketing.

The steering geer exhibit will be a working power-assisted electric / hydraulic steering gear comprising a type T.160 awivelling hydraulic cylinder, complete with an electrically-driven pumping unit assembly con-trolled by a non follow-up water-tight electric tiller switch, with e Triton (3) bridge unit.

Apart from giving power assistance, the pumping unit assembly eciencid cootroi vaive is suitable for being operated by most makes of automatic pilots.

This T.160 installation is capable of a rudder torque at the relief valve setting of 936 its.ft. (130 kgs.) at a hard over angle of 45° or 2021 lbs.ft. (280 kgm) at 25° helim with a ram thrust of 2268 lbs.ft. (1029 kgm) and requires 1 turns.of the bridge unit handwheel for full rudder movement, or approximately 12 seconds in power.

power.

The bridge unit incorporates a locking valve which will hold the rudder at a given angle, and prevent "klok-

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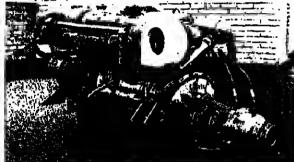
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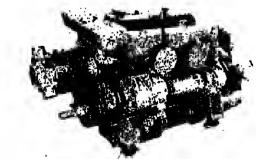
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### CATCH '78 PREVIEW

back" of the hand wheel injur-ing the helmsmen when externel forces ect on the rudder. his feeture is also considerebly edvantageous when fishing where it is desired to hold the rudder pertielly over

for long periods. Like ell "Wills-Ridley" ewivelling cylinder steering eystems, epherical bearinge ere fitted to the cylinder pivot end piston rod ends. These, together with the use of ehort lengths of flexible pipe, allow complete freedom of rudder movement end considerably esciets in ehlpboard inetailetions. They elso permit elight rise and fell of rudder etock during service without eny edverse effect,

Edward Maobaan hee been meking foul-weather clothing since 1876. Part of its displey et Cetch '78 will be the well through Vince 27 rough of in known Vinco 27 range of in-dustrial fiehing weterproofs made of heevy-duty PVC on cotton, end PVC on nylon. All the garmente heve been

specially treeted to reciet fish oils and animal fats, and all seems ere electronically welded. The garmente ere supple end ere designed not to split or creck even in low temperetures. Also on show for the first time will be a new renge of thermel clothing. A selection of garments from the other Macbeen renges will be eveileble for inspec-

DGR Merton Packaging will bring ite Pachyderm non-returneble fish boxes to the show. Menufectured from e water-proof solid fibreboard; Pechyderm fish boxee ere cleimed to be uneffected by running weter, ice, demp or freezing conditions. Used widely throughout the United Kingdom, they ere essier to hendle then wooden boxes as they evoid the problem of epiinters end cen be attrectively and the problem. ively colour printed.

A new development in fish boxes ie the glued container made up on eutometic glueing mechinery which eliminetes the need for metal

is designed to land end carry emell fish from small ports to processors end merchants et the mein centrae. Advantages of this one-trip conteiner against conventionel wooden end pleatic boxes include losees, repeirs, cleaning, limited journeys end return trensport chergee. The Merstone Four can elso be used for the bulk freezing of fish.

Merina — hes been launched efter triels by Hull-based fishing organisations.

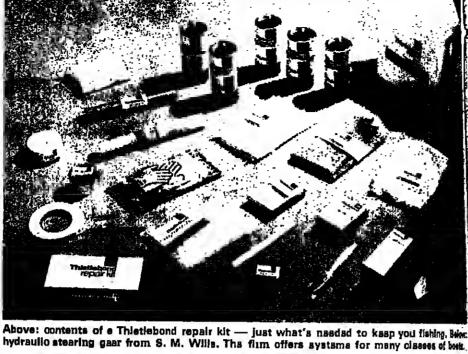
The mechina feetures esal-set electrics and elloy and stainless eteel parts, making it ideal for use in wet conditions.

South Weatern Machanised Fishing. The company ment end purpose designed hydreulic systems end has equipped e lerge proportion of the south-west fleet, also many other vessels in other ereas end ebroed in the leat

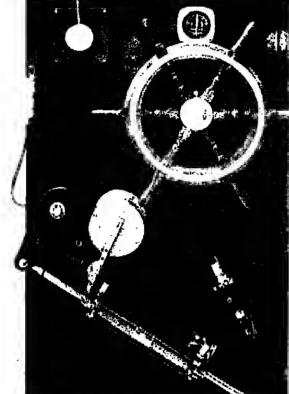
four yeers.

The mein exhibit ie the new Celtic Slave 1,000 Kg. pot heular developed from the successful Celtic Slave 1-ton end 11-ton heulers. The new heuler feetures hardened stainless steel hauling sheavas end other improvements end other improvemente resulting from operational ex-perience with over 40 in-stellations. Illustrated will be nat

drums up to 24 tons, e new
71-ton multi-purpose net
drum with clutched drum
end werping capetan and
heavy-duty clutched
hydraulic numps, etc. Agents hydraulic pumps, etc. Agents are required for these products in Scotland



hydraulic stearing gaar from S. M. Wills. The firm offers systems for many classes of best



Also being displayed is the wedge-sheped Merstone Four (Stand B500) will show e use with oither wet ur dry storege bunkers.

Inco-Ziegre will also be used with oither wet ur dry storege bunkers.

The object of the wedge-sheped Merstone Four (Stand B500) will show e use with oither wet ur dry storege bunkers.

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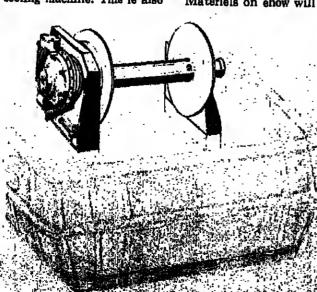
The object of the wedge-sheped Merstone Four (Stand B500) will show e use with oither wet ur dry storege bunkers.

The object for use in the commarcial environments fishing industry. The new mechine — Gordien OL35 Merina — hes been launched show, the Gordina — hes been launched environments may be the correction of t

Two other mechines will be demonstrated on Gordian's exhibit. One is the Gordian OLM, a fully-autometic side seeling machine. This le also wind effection of manuel, pneumatic and electricelly-operated strapping toola for use with steel, polypropylene and rayon strapping.

Materiels on ehow will in-

Tha firm will also feature a wida eelection of manuel, pneumatic and electricelly-



steel banding, Hyple polypropylene strapping. Tytape end Tycord 1898 stying meterials, wire the stepies end others.

In eddition to strapity equipment and materials in exhibit will feature the G dian Spocefills, en infists re-usable dunnage bag in protection of freight against journey hazerds.

Inco-Ziegra (UK) Ltd.8-nnd A202/204). Specision in ice machines and in systems, it will be showing various models from its range of outomatic company

The lergest unit shows, madel UBE 5000/A, produces five tons of ice pe 24 hours end is delivered in single cebinet ready to run li roquires only connectes to water and electric supplies. Apert from its compact

dosign, this unit comprises two ice makers knone cables. They can be used singly at together according to the

end corrosion in troublosome environments.

The third mechine on show, the Gordian OL7, an eutometic machine with a wids renge of arch sizes, is capable of handling cartons in a veriety of chapae and dimansions.

The firm will also feature a wida eelection of manuel,

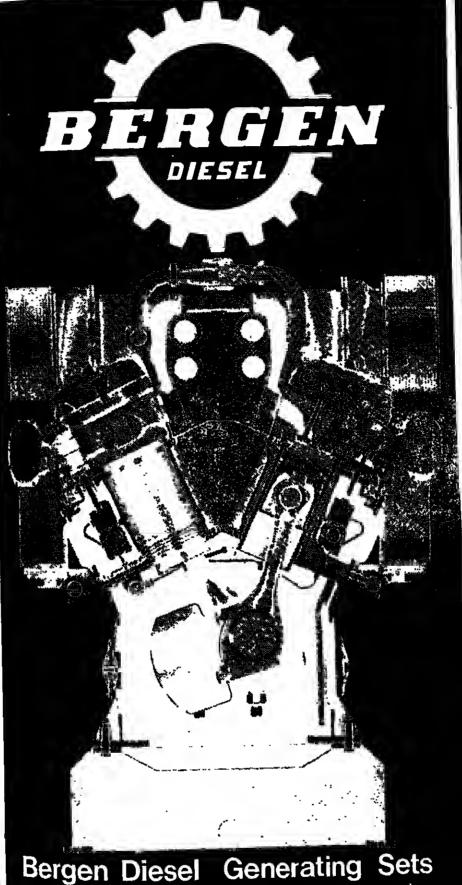
Self-Changing Gent (Stand All1) is and three units from its hydraulically cope

gearboxes.

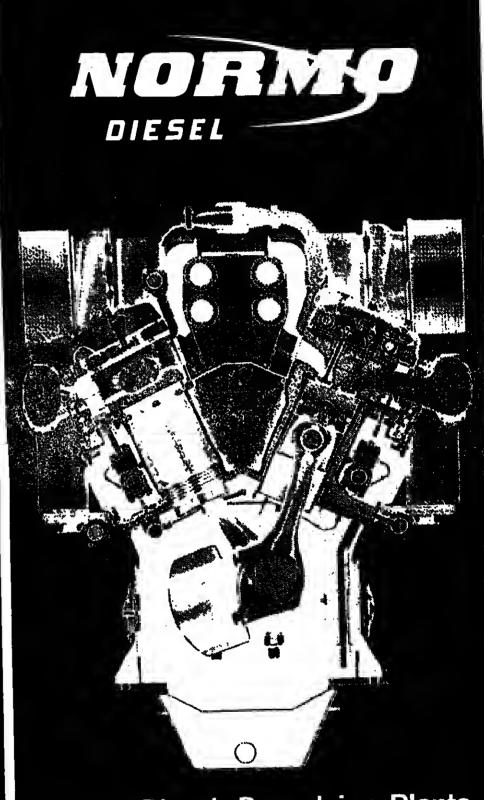
All units are fitted guard device which is sevent of hydraulic failute, event of 2 and 3:1.

The MRF 350 HD Mail The MRF 350 HD MRF 350 HD MAIL The MRF 350 HD MRF 350 H

# June 9, 1978 THE DIESEL TWINS



serve aboard merchant vessels, offshore installations and power plants, and are supplied in a range 680 - 2.560 kW.



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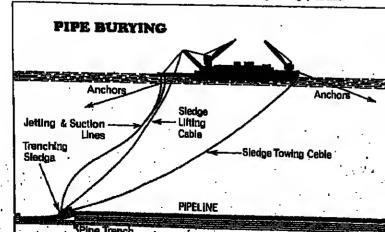
But Scotland's fishermen already face increasing problems and we in the oil industry are making sure we don't add to them.

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One result of all this is that the pipelines from the oil fields will be buried under the seabed. And when we cross rivers and inland waters too, we are taking good care not to cause disturbance.

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Oil see pipelines are buried to prevent them bindering traviling operations



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# CATCH '78 PREVIEW

ONE OF the biggest national exhibits at the show will be mounted by Norway. Eleven companies will be housed on the now amiliar trawlerhaped stand.

Avdraulik Brattvaag. Hydraulik Brattvaag.
Seine winches with pulls
from 1.7 to 9 tone for Scottish seining and eimilar
forme of fishing. Drum
winchee to haul the purse
wire, end also winches for
combined purseseining/trewling operations,
with capacities to

cuetomsrs' requiremente.

For long-line end net heuling the company produce units with pulle of 1.2, 2.0 end 2.5 tone.

Yor trewling a wide range of winches ie supplied plus the Synchro system, for sutometed fishing.

seiners opereting in topus — en industriel to 225 ft. Northem Europe. – fishing system which is used Yard

seiners opereting in Northem Europe.

Finsam hae delivered two plete-ice plants to Scotland, both with production capecity of 50 ton/24 h., this yeer. The first one was to the Freserburgh Ice Compeny — a member of Aesocietion Cold Stores Limited The second one—

seiners opereting in to 225 ft. Yard end engineering works are situeted by ice-free weter close to the North Sea.

In addition there is the Angle model — a versatile sesy-to-tow midweter trewl which cen be used for confice wentionel midwater trawling including the largest purse for markets at the pring or seiner in Denmark, now unransport of ice, ordered by trawl.

On behalf of cuetomers abroed the aesociation's quotations from auitabla yards and also, if daslred, provida drawings and

specifications. The sales of-fice will also advise on finencing possibilities. WNSA has delivered six fishing vessels to Ireland, nine to Scotland and four to the Shetlands of both wood and steel construction.

Norsenat. This firm has supplied British vessels with purse seince since 1966, when tha first vaccel, nncese Anne, was rigged of the powar block and cama of Bergen to fetch her net, a purse seine of 280 by 70 lathouses.

now inetalled on almost 100 Among the trewls produc-wet fish trawlers and purse-ed are the Hoover end Oc- There are three elipwaye up

Limited. The second one—
for mackerel, herring or eeiner in Denmark, now unfor the new herbour of sprats or as a "one foot over der construction et the Breesclete, Isle of Lewis—
wee a "containsr-plant," sandeel and pout. This trewl designed the Scottish purse complete with pneumatic cen also be rigged es a pair seiner Toits which was recently delivered.

the Highlande end Ielande
Development Boerd.

Finsam elso specialises in containerleed ice plants.

Karmoy Mak. Verkstad.

Manufecturere ell types and combined longliners / traw-

lengthe. Manual baiting and



products include RSW aroused great interest intersystems end plete freezere. The RSW systems heve nationally ie tha Mustad

built to withstand prolonged periode of fluctuating load and is dasigned to require Hydraulic eyeteme for

Baiting is carried out braking and towing have automatically while the line bean developed for trawling

ed that crewing can be reduced by 2-3 men.

Bergans Mekanleke Verketed. Norwinch low pressure hydreulic deck

in schinery was introduced in 1946 and is now installed

on more than 6,000 vessels The Norwinch hydraulic motor and powor transmis

sion control system wes originelly developed to meet the need for e flexible winch

power trensmission on board fishing vessels. Norwegien fishing vessels in perticular

are regularly operating in

relief valve control providee

the protection necessary to prevent damegs both to

winch and net.
The Norwinch low

pressure hydraulic power

Simrad. One of the leading alectronics manufacturers tha world in the fielda o lnstrument systems and



# ectronics firms beam in

will be used by a number of electronics firms as a launch pad for new equipment.

It is significant that about one tanth of tha axhibition space bas baan booked by electronics firma and organizations — a sign if one were need-ad of tha ever-growing importance of all kinds of olectronic alds to naviga-tion and fishing.

This year's electronics turn-out promises to he so

vnried and interesting as to merit a look at each etand individually rather than a general description picking out the highlights of the show.

Krupp Atias-Elektronik Aberdeen Division (Stand A442) will be presenting two complately new products: the 790 sonsr for near and middle water boats and the big 700 series of fishfinding sounders with combined recorder and CRT presentation.

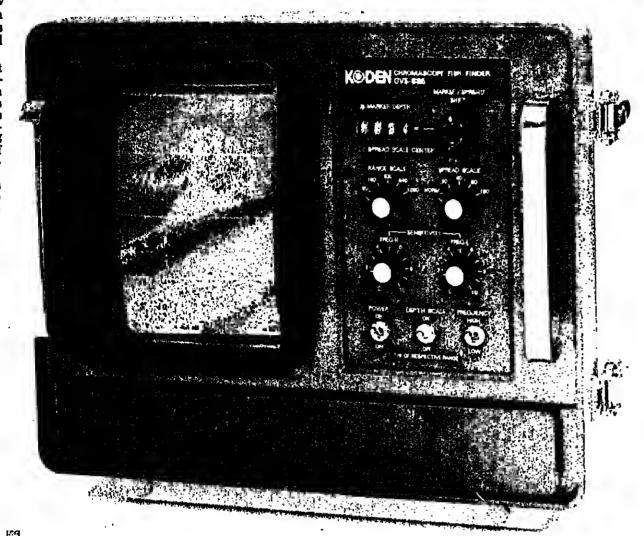
Other Krupp Atlas sounders on show will include the already well known 420, 450, and 611, while radar exhihits will include the 3200, 4100 and 5100 modele. The Krupp Atlas display will olso have a range of S.P. Radio mf, mf/hf, and vhf R/T's and the Cetrek eutopilot.

Alexian Electronics (Stand B600) will have several working radar displays featuring the new Sperry Mk104, the same firm's Mk7 smell craft set, and Electronic Leboratories' Seascan. Other exhibita here will include a selection of vhf sets such aa the Electronic Laboratoriee' 61 channel Multi-Seavoica, S.P.Radio's RT144, and the new Mororola Modar range.

Sperry autopilots and gyroscopes will also be seen on the Alexien stand and two new types of fishing sounder, one British and the other American, are being ehown here for the first time.

The American sounder is by Vexilar and the British sounder is a newcomer to the fishing ecene, the lncastor.

Both ere similar in principle in that the undersea information is presented on a cathode ray tube screen but, unlike the Fischlupe, is seen in the form of a black and white picture of whet would appear on a papar recording. The picture can be 'frozen' at any time for a period of up to half an hour for close study.



# Colour sounders' first showing

A SPECIAL feature of Marconi Marinc's stand (number B704) will be the naw range of Chromoscope K fishing soundors which present subsurfoce information in colour on n TV-typa screan. These are now available in three versions, known as the Chromascope K1, K3 and K5, the last noma being the smallest with its recalvar incorporated in the compact displny cnsa.

The Chromascope K1 will be seen working using The Chromascope K1 will be seen working using video recordings takan from the installation on the Boyd Line's Arctic Roider. More conventional sounders will include the Graphette K and new improved varsions of the Fishgraph K and the NM850AT net-monitor in which micro-procassors and intagrated circuite are now used instead of the

A fuil range of aquipment for long, medlum and short range communications, safety, watchkaeping and survival craft operation will be seen on the Marconi stand.

Ltd. (Stand B774), though the Magnavox MX1102 An interswitchable into displaying actual marine electronics hardware, will be offering its capability for the offshore industry than to receiver, with the 350T various distributors which The former has a clockface woodsons of Aberden in apport of the former has a clockface woodsons of Aberden in the standard putpers and B544) is making the two echo sounders there is a first direct appearance in the short industry than to receiver, with the 350T various distributors which The former has a clockface woodsons of Aberden in the standard putpers and B544) is making the two echo sounders there is a first direct appearance in the short industry than to receiver, with the 350T various distributors which The former has a clockface woodsons of Aberden in the standard putpers and B544) is making the two echo sounders there is a first direct appearance in the standard putpers and B544) is making the two echo sounders there is a first direct appearance in the standard putpers and B544) is making the two echo sounders there is a first direct appearance in the standard putpers and B544) is making the two echo sounders there is a first direct appearance in the standard putpers and B544) is making the two echo sounders there is a first direct appearance in the standard putpers and B544) is making the two echo sounders there is a first direct appearance in the standard putpers and B544) is making the two echo sounders there is a first direct appearance in the standard putpers and B544 is making the two echo sounders there is a first direct appearance in the standard putpers are standard putpers.

Export Council of Norway

and the new Lunar Bow building in Norway for the Buchan family, also feeture this equipment.

The 24-mile range ONX5 Seagle II radar will also be in the unbick which will contain

CATCH '78 PREVIEW

the vehicle which will contain enother new fishing aid, the Blac small Mini-Lodar sonar. Thie is a combined CRT and chart recorder instrument

chart recorder instrument giving a 360 degree sweep over a range of 1,600 metrea. Ideal, according to Woodsons, for mackerel fishing.

The first new Mini-Lodar is being fitted on the Heritage building in Holland for a Banif ekipper, while Lunar Bow will also have one, in addition to her new ONX7 redar. ONX7 redar.

Amung these will be s be type heing introduced at the Alierdeen show, the S automatic sonar designed i small and medium-sin houts. This hos a cethoden tube display and a writing frequency of 80 kHz with kW power output and provides eight ranges from % to 1,500 inctres.

Kelvin Hugbes (Stand B76ti) is mounting a specia display of its new Sens A radars, all of which use the same 25 kW solid-state transceiver based on a special dosign developed for the Roynl Navy. Display units available at

representing 11 companie.
Among these will be Simel which epart from being is

products on the Deccassad will be staging its on separate display of south Omega, Loran C end stelle

mavigation receivers, and d

CHIESC SONSTS.

n 9 in., two 12 inch (one o which is compass stabilised two 16 in. sets (one compasstabilised relative end the other true motiont. The w que Situation Displey which will be seen working with the new 'two-tone' clutter disper anl technique clean chatter without losing ether from targets in the clutic

NECO Communication Ltd. (Stand B776) has a new Dancom vhf, the RT408, b show visitora. This is e 9: climinal synthesised set with dual watch as sisudard so Selcall and full duple

Incilities evailable as extras.
The full range of Dencem communications units will be on this stand including the RX-109 vhf Selcell receive 200 and 400 watt hf R/T the HF1200 sab trensmit which can be programmed up to 480 preset frequence und receivers such as it inf/hf R201 and R203 an tho 7 channel RX501.

The WG fishing soun nud net telemetry eystem will be included on the Kelvia Hughes stond as will the MS48 sounder and the Minch 2182 LLC world-keeping 2182 kHz watchkeeping

receiver.
Other communications
equipment shows will include
the Donieh Skanti TRP200
and TRP4000 esb R/Ts.
200W and 400W respectively,
with 30 transmit and receive
the appeals in the frequency channels in the frequency band 1.0 to 4 MHz plus the 1 MHz hf band. The Skanti

electronics hardware, will be offshore industry than the offshore industry than the majority of fishemsen.

Some of the electronic equipment used in the fishing industry, whether of its own manufacture or not.

For exemple, among the regular maintenance contracts is one for servicing the ways tension maters of Grampian Movarch and similar work can be undertaken on a number of other electronic as well as electricial or machanical systems.

S. G. Brown Ltd. (Stand B804) is chowing its well-known range of Amer-Brown gyro compasses and repeaters and the latest Ocean series of autopilots which can operate with either gyro, or magnetic interest even in the offshore interest to the offshore industry than the offshore industry than the offshore industry than the model of the products of the product of the company of the company of the latest Seascribe II. The former has a clockface world did on which a light approach and similar work will also feature the ISIS integrated ship instruments tion and the latest Seascribe II. The former has a clockface world did on which a light approach and similar work will also feature the ISIS integrated ship instruments tion again share their usual large stand to display the for servicing the way tension maters of Grampian or an interest of the section of the men of the electronic as well as the offshore or an interest will be seen the products of both companies of source of survey and the new CQ Sonarecope machanical systems.

On the radar side there will be seen the products of both companies of source of survey and the new CQ Sonarecope machanical systems.

On the radar side there will be seen the products of both companies of source of survey and the new CQ Sonarecope machanical systems.

On the radar side there will be seen the products of both companies of source of survey and the new CQ Sonarecope of an unpher of its of the products of source of survey and the products of the section of the



clude the larger Mittel-Lodar may not actually be purvey-with its 2,400 metre range, ing electronic hardware to the LAZ44 Lodarscope CRT, fishermen, but it is certainly munications to the LAZ72 recorder with LAZ62 doing a hard-sell job on its are the ER210

7 and AP-30, in addition to shore. Calls will be made to woodsons own range of inter-com equipment. shore coastal waters, and radiotelex messages connected through Poet Office coast Weemar Sonar Marina stations to North Sea offshore Redlo (Stand B522) is yet platforms and ocean-going

enother company using the ships.
show to perede two new Visitore to the stand will products.

One of these will be a dual ing by R/T to fishing vessels frequency fishing sounder, at sea.

the R400, which can be

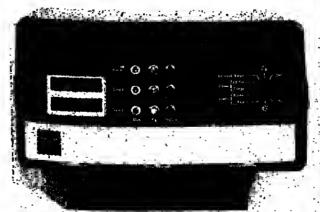
switched over to transmit on SAIT London (Stand A422) either 15 or 200 kHz as the is another firm which will be

user vieles, and the other using the show to introduce as itsm is another autopilot new products. From Robertson A/S of One of these is its small-Norway which employs n est inf and hf ssb R/T, sslurable core solid state the Europa One, with 36 compass with no moving transmit and receive channels parts and does not even have in the band 1.6 to 18 MHz

s rotating compass card.
Soners, of course, will be
Wellfeatured by Wesmar with
Arctos 58 chonnel why with special emphasis on the lower frequency SS230 which with its 1,500 metre agarch range eroved, so successful at last yeer's Catch '77 show on Humberside.

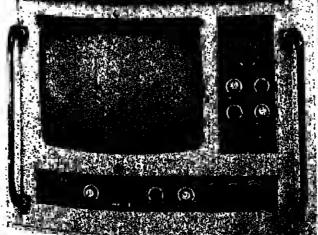
Humberside.

Another vhf to be shown by
The 1,000 metre range SAIT is the Norwegian
SS220 will eleo be on view as Robertson Type 100 which, well as its inexpensive ver- although not making its first sion, the SS160, which appearance here, is still of Weemar's Del Clorke believes fairly recent birth. This too will be of special interest to may be fitted with Selcall and since it can be operated from



piewn trawler ekippers.

Above: Decce will be showing its DLS1 Leren C receiver at Catch '78. Below: Simred's new eutomatic sonar Type SY is be-





Left: smong new units being shown at Cetch '78 the first time will be this Vexilar video-sonar on the

Above: the Arctos B8-channel vhf. MPT type approved, is e first timer on the SAiT etand.

Alaht: new SKA80 ell-elactronic gyro compess from Robartson A/8 of Norwey to be on the SAIT

Other Elac equipment in Post Offica Taleoom- either 12 or 24 volts dc is programmed for up to 256 aids will include the new established 20 kW ONX20 the Woodeooe vehicle will inmunications (Stand B790) suitable for inchore or near chennels and the receiver SKR80 electronic gyro comact, act, and the larger Mittel-Lodar may not actually be purvey- water boats.

Other Elac equipment in Post Offica Taleoom- either 12 or 24 volts dc is programmed for up to 256 aids will include the new established 20 kW ONX20 chennels and the receiver SKR80 electronic gyro comact, actually be purvey- water boats.

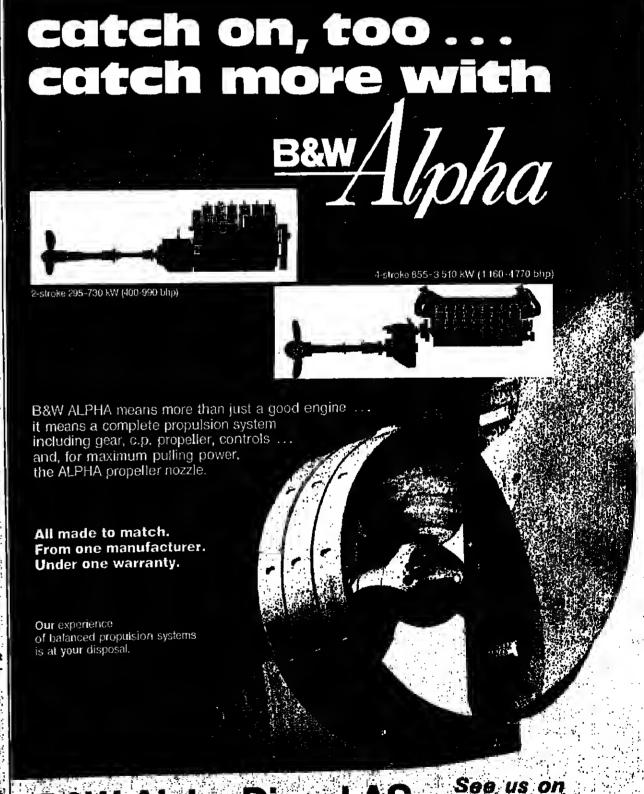
clude the larger Mittel-Lodar with 1ts 2,400 metre range, the LAZ44 Lodarscope CRT, LAZ72 recorder with LAZ62 Fishlupe, and the new DSG8 bottom expansion unit, plus two other recording abunders, the LAZ100 and LAZ72.

There will also be a selection, its systems and vhf R/T's and two Robertson autopilota, the AP-7 and AP-30, in addition to may not actually be purveying the purveying the purveying electronic hardware to fishermen, but it is certainly doing a hard-sell job on its munications sets to be seen are the ER210 and ER410 mf munications sets to be seen are the ER210 and ER410 mf munications sets to be seen are the ER210 and ER410 mf munications sets to be seen are the ER210 and ER410 mf munications sets to be seen are the ER210 and ER410 mf munication, and automatic correction, operating with its autopilots.

This year, as well as continuing its campaign for subtraction of the different methods of completed by a range of R/T sets are demonstrations of the different methods of communication between ship and ehore. Calls will be made to

STAND No. A230

CATCH '78



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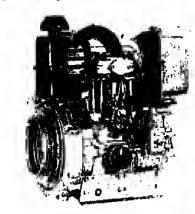
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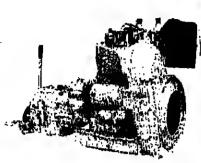
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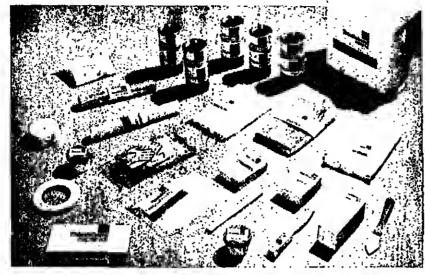
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# SCANMARIN

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# Thistlebond repair kits ITS ALL HAPPENING AT



THE LAST three months have seen tremendous activity in Peterheed and it is now the port where averything's happening. But there is a cloud on the horizon — falling catches.

The number of boats using

the fish market this year looks like exceeding the 1977 figure of 400 es even more Scottish vessels keep switching to Peterheed from other ports.

The numbers have also been swelled by at least half-a-dozen

new vesseis — and the white fish and shrimps there. May be saw the heaviest lending of the year whan a huge fleet of 68 vessels put eshore vice with the local fleat.

At least two Grimsby boats are placning to make also placning the last few weeks, sales. A further 34 boats landdring the last few weeks, sales. A further 34 boats landwises and or morning.

The market, with a frontage of 1,000 ft., can accommodate about 45 vessels for the first sale and its floor area of just short of 5,000 sq. yd. can bold 7,000 boxes laid out in single tiers.

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This will be a two-etorey building, unlike the remainder of the fish market showed allght decrease when conversely and the upper floor pared with the 415,512 cw with a frontage of 1,000 ft., can accommodate about 45 vessels for the first sale and its floor area of just short of 5,000 sq. yd. can bold 7,000 boxes laid out in single tiers.

Although pert of the which will be able to hold another 2,000 boxes.

This will be a two-etorey building, unlike the remainder of the fish market structure, and the upper floor pared with the 415,512 cw will house offices.

Landings of white fish dur-

thie year amounted to 383,788 cwt. and showed a

Skipper Iso Sutherland of

He said that en average weekly catch for a larger One seloe oat skipper said that the abnormelly cold

the Bergen Bank this spring weather comes.

that a number of boats switched to other grounds.

He said that this year is the first time that he had fished other than on the Bergen, although he had now returned there as catches seemed to be improving a little.

Chalrmao of Petarhead Herbour Trustees, John D. Buchan, is perticularly concerved about tha political situation.

"Without a shadow of a doubt", he said, "there is a limit and may could well have moved on to the Ling Bank by early June.

Oos issue which the local industry does now agree on howaver, le that industrial fishing must be stopped.

Skipper Innes McPherson of the 86 ft. vessel Supreme market can hold 7,000 boxee in said: "Industrial fishing is single tiers—but space for just not on It is not fair to tha small fish and should be cut out altogether."

ning to despair that the EEC's Common Fisheries or that our own Governmen

skipper, Peter Strachan of the feeding stuffs for the fish. He 85 ft. Stanhope III, said that catches have been so low on better when the warmar

They ere able to work on the rougher ground whera fish

been meinly adopted as a between-seeson ectivity by the herring and spret trawlers. It saved skippers the extra expense of seine net

But, in recent months, some of these vessels have spent much more time on More seiners are gearing up boats have mainly concen-white fish trawling and now to switch to pair trewling treted on seine netting in re-even e number of top selne should estches from the selne cent yeers.

began pair trawling with their end the new 85 ft. Chollenger 86 ft. boets Acacia Wood and II.

regularly out-fished the seine netters this year and several partnerships have landed total catches of 1.000 boxes and more. has been more plentiful—and they can also catch a greater percentage of the higher-ewimming fish such as cod and coley.

In previous yeers pair trawling for white fish has been meinly adopted as a

2 ways to land your

Your catch can reach land in one of two ways; frozen or fresh/chilled.
Either way, Kværner Kulderoffers a well provan and

Competitive answer. With experience in this field dating back to 1934, Kvæmer

net skippers ara turning to net grounds remain poor.

Among Peterheed vessels
Eerly in May two leading which have ordered peir peterheed-based seina net trewling gear are the 80 ft. specialiste, skippers Alec Fovonius, the 85 ft. Stanhope Jack and Innes McPherson, III, the 100 ft. Loch Kildonan end Williem Smith of

highest serning seine net then try the poli trawl fishermen in Scotiend with together if necessory, their previous vessels (also He said thet, nithough fish

The new 85 ft. long overall Sunbeom was delivered in May by the Richard Irvin yard in Peterheed (story and of Supreme said that peir

Skipper Sutherlend told Fishing News that the two Botb akippera have boets will work the seine net The skippers of all these regularly been among the for a month or two, but will

Pair trawling for white fish has been steedily growing in popularity among the the last three years.

tried it for e short while eix or

Sturlight (skippers Brigg Thein and Alec Belrd) named Kastrel and is more plentiful on the hord ground in the spring, the situation could elter within Kastrel has been built by the the next few weeks. The seine Cempbeltown Shipyard. The netters may well etart to pick 86 ft. wooden-hulied up again when the fish settle

Skipper Innes McPhereon (skippers Jim Pine and George Collin). pictures of Sunbeam in next trawling asems to be a more economicel method of fishing, as the trawls lest longer then seine nets.

Popular fishing grounds is cluded Muckle Fluggs, to the shedends, the

Bergen Bank end the Fah Reaults ere setisfector

Peterhead-besed fleet during even though the majority of the last three yeera.

One or two partnerships with methods of rigging and Turn to page 27

Last year six local portnerships worked the per trowl, including:

Morning Down and Unit

(skippers Devid Morgie u) John McLean).
Faithful II end Ugeest II
(ekippers Walter Mille in)

Arthur Buchan).
Constont Friend and

Foirweother V and Span

ling Stor (skippers John Ale Buchon and John Buchen) Seringo end Sunden

(skippers John and Willise

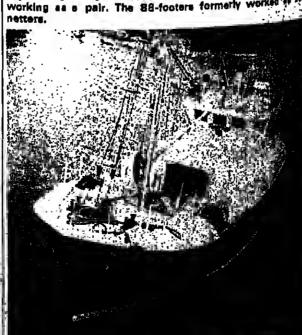
Shemoro and Starrel



Unity (above) is one of the pair-trawiers which has out-present the ealners this apring. This 68-footer works with Meming Daws.



Supreme [above] and Acesie Wood [below] are signature working as a pair. The 88-footers formerly worked is the



Kulde has helped to make Norway one of the world'e leaders in reingaration on board fishing vessels. We have developed refrigeration plants for long

liners, mother ships and factory trawlers as well as our own modification of the RSW (Refrigeration Sea Water) system for wet fish

catch

To preserve the good quality of freeh fish, it must be cooled to a temperature below 4°C (41°F) after catching.

This temperature can be obtained with ice or with mechanical refrigeration by sir cooling, or by RSW.

If the temperature of the fish is kept slightly below 0°C (32°F), yet avoiding freezing. prolonged storage life and good quality are

Becques RSW is less jabotistis and keeps the fish wet and protected in tanks filled with gooled water, this system is widely preferred it ourse sell eje and eyen traviers.

The Kvistmer RSW gylitems have been developed over halfly years in co-operation with the owners sind grown at some of the most efficient fishing vessels in the world.

Adovs all, the Kysmer systems are practical, reliable, and require little maintenance. To keep the systems clean and easily cleanable.—Kysemer provides large RSW filters and apecial shell, and tube coolers.

The freezing plates are the key feature of .... Because the plates ere 32 mm (1.1/4\*) trick

and made se one plece; solid; rolled pletes with drilled passages for the refrigerant, they have sufficient strength and rigidity to secure perieci flainess and close tolerances of the frozen products, as required for inelance of mechanical division of blooks.

June 9, 1978.

# SAITAT CATCH 78

SAIT was established in 1901 and has, stransfore, been merketing and servicing ships." radio agui preent since merins electronics came into existence. It is now one of the largest merins electronics companies in the world. owever, until feirly recently SAIT have been elmost unknown to meny of the United Kingdom's Fishing Fleets. At "CATCH '78" the company will be presenting a complete package to the shiplowner, not only in sales, but siso service, through one of the company's 400 worldwide depots or one of its meny.

### TRANSCEIVERS

This year SAIT have no fewer than seven different radio transcalvers. The (1) ER210 (200 watts] and the (2) ER410 1400 watts radio telephone trenspelvers comprising of up to 30 transmit and requive channels together with a continuous tuning \$38 receiver. The (3) ER4250 (400 werts) \$88 transceiver is fined with up to 286 transmit channels covering 1.8 to 30 Mhz. The receiver has a frequency spectrum of 10Khz to 30Mhz, fre-frequency spectrum of 10Khz to 30Mhz, fre-quencies being selected by either keyboard or continuous tuning control. Modes of operation A3H/A3A/A3J (radio telephony) A1 (Morse telegraphy) and F1 Telex.

[4] Europe One, compact 180 watt radio telephone with up to independently 3B transmit and receive frequencies in the MF and HF merine bends 11.6Mhz-18Mhzi. This unit is filted with an automatic tuning unit and

coupler. All these transcalversiare fitted with the 2182 Khz two tone starm. is I VHP 100, fifty five changle synthesized trenscelver simplex and semi-duplex with push pittoh instant Ch. It selection and LED display.

(6) Aretae VHF Des, Simplex full diplets fitted with 68 sharings including five private

(7) Merinetta IV Einergeney Frans Reselver for Surgiyal Greft, designed for stansmission and reception of three international meritim ditries or imergericy frequencies 600, 2182 and 8364 Khz, The Marinata IV provides two way radio communication by talegraphy or steephany from a lifeboat or all ferent.

(8) MR14501, communication receiver covering TOKAz-30Mhz with keyboard or continuous tuning frequency sheeting for operation as a main or americancy the later automatically switching to 24v should the main supply fail.

### NAVIGATIONAL AIDS

(8) Loran C 7100 Lettude/Longitude, speed and heading course and distance to destination residouts with built in test functions.

1101 Satellite Nevigator, compact in size giving an accuracy of 0.1 of a nautical mile, time GMT maintelned to within one second. 'Large easy to reed display of latitude longitu GMT Speed Heeding Great Circle distance o bearing to selected destination.

(1/11 Automatic Oriege, provides a digital display of latitude and longitude with a time, data, speed and course readout. No Oriege, others and correction tables required and once initially set up will provide an acourse estimated position to within 1-2 neutical miles.

112 SKR 80 Gyro Compess, fully solid state electronic gyro compess with no fidetation liquids; gears, mechanical links or tension wires providing e settling time of less then one houseld with built in testing equipment. Suitable

### (17) 47 V Fire Detection System.

for any vortage.

113) Auto Pilet AP7, complete eutomatic stering system for use from magnetic or gyro compasses end cen provide occuping to almost any type of staering system. It can be operated in the follow-up or non follow-up electrical stering configuration and together with the SKR80 or other suitable gyro, makes a complete attention system.

(14) Auto Pilot AP30; Ideally suited to small or electrical steering system and incorporates a compass sensor for steering from the boat's

### RUDDER INDICATOR INSTRUMENTS

Complete range including 155 "the Panorama", athres diel indicator providing a clear reading even at long distance, together with the standard and mini indicators plus rudder

RADAR

The (16) ONX10 radar is a compact 10 inch unit fully solid state with the exception of the magnetron end coupled with its high performance and reliability is ideally suited for medium and small sized vessels.

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[18] XH8110A error correction system for fast officient error free and secure transmission and reception of messages and can be used with elmost any single sideband transcaiver.

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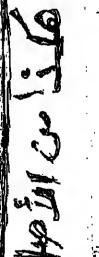
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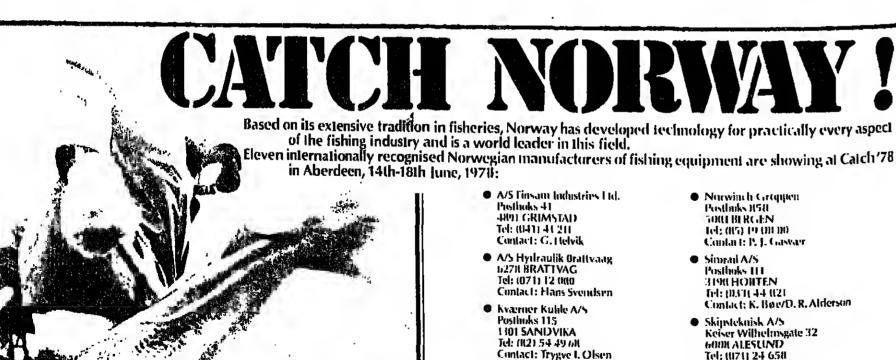
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CATCH'78' ADERDREN INT BRING TO NAME FISHERIES & MARINE EQUIPMENT EXHIBITION

WE ARE EXHIBITING AT



parkling Star and Fairweath started warking as pe trawlers together in 1878. Their skippers, John Suchan and John Alac Buchan, heve now built up a lat af ex-

working the gear on the new fishing grounda.

By the middle of the year coley was earning twice what it was 12 months ago and an catchea are now much more worthurbits.

One pair, Morning Dayon and Unity, continued white fish pair trawling throughout last winter to considerable effect. They landed catches of ing firm is developing a 1,000 boxee and more sturdy range of net drums between them.

between them.

Quite early in the apring, Shemara came beck from the North Shields sprat fishery and began to pair trewl in partnership with enother Peterhead vessel, the 86 ft. Golden Daum (Skipper Andrew Cowe). One of their eerly trips resulted in 1,233 boxes, which included 675 of cod.

Landings et Peterhead by

Landings et Peterhead by white fish pair trowlers during the first four months of

ing the first four months of the year emounted to 17,849 cwt. worth £424,173. These figures are for chead of the 5,197 cwt. volved et £122,588 put ashore during the seme period in 1977.

By early May more partnerships had got going. Included were the former Fleetwood \$6-footers Lorenzo and Bentolio which fish under their new skippers, Arthur Buchan end Peter Ritchis. (See page 63). Ritchie. (See page 63).

### West coast

Sporkling Star end fairweother V began the lishing after coming home from the west coat herring fishery (Foirweother was filted with e new net drum specially designed for bandling white fish trawls. See

Faithful II come home from North Shields and has leamed up with a Fraser-burgh vessel, the 86 ft, Green Pastures (Skipper George Ritchle), while Acacio Wood and Supreme took eboard their pair trawis early in

It is thought that at least 12 local partnerships, together with several more from other ports, could be pair trewling for white fish from Peterhead by mid-aummer.

Peterheed veesel Foirweother V

河 河上河 月

(Skipper John Aieo Buchen). Others ere belng mode for two more local boats. Personnel from Tecnor heve

power.

spent a lot of time talking to the pair trewier skippers and heve designed the drum to their re-

quirementa.

A new range of winches
Flahermen asked for elmpie
end robust oquipment with lerge
net capecity end good pulling

A new range of winches
sulteblo for white fish pair
trewling is now on Tecnor's
drawing hoerd and these incorparate larger cepecity werp The Tecnor drum is of par-ticularly heavy construction end pulls fishermen epecified.

Tecnor was set-up ahout one year ago when new menagement took nver the Peterheed firm of A. F. Engineering (Scotlend) Ltd.

Operating under meneging director Dr. Bill Thain, end technicol director Alec Keith, the new company is developing

the new compeny is developing end making a range of hydraulic deck equipment end nffers full service fecilities.

The factory is ideally situeted in Peterheed. Fishermen cen weik in streight from the hortony.

The firm elso nffers cnmprehensive engineering end
metel febrication facilities end,
eerlier this yeer, carried out e
mejor modifination to the formor
Peterheed vessei Aquarius.
This 78ft. trensum-sterned
end wooden-hulled bont was
built by J. and G. Kurbes and Co.

built by J. end G. Fnrbes and Cn. In 1970 fnr Skipper 'Jim' Sinter. Hn now fishes with the 140ft. purse seiner Sette Mori.

Skipper Slater sold Aquarius to Skipper Jnhn Stewert of Eigln, whn renemed her Dauntiess end has hed her equipped for selne netting.

Tecnor fitted the vessel with a new Kelvin 500hp engine to turn Henry Fleetwood propelier through e Reintjes reduction and reverse gnerbox.

A two-drum set of seine rope reels of Teonor's own manufec-ture was instelled and, in eddi-tion, the vossel was fitted with an aiuminium deckshelter.

Left: Tecnor's heavy-duty net drum apecially developed for pair trawling. This 18-ton pull unit is seen apoard

# BOTH main nat-making firms in Peterhead are being kept busy by the growing demand for white fish pet trawis. They are elso developing an export trede to

Canada where Scottish fishing techniques are being adopted by Canadian fishermen.

This firm — jointly owned by master net-maker Arthur Buchan and Bridport-Gundry— is supplying white fish pair trawis suitable for fishing on hard ground.

The slout nsts baing mid this year hove been given as oven longer heading to round con even bigher opening.

The nets have 8 in media on the wings, 6 in media on the wings, 6 in media on the organ days and the forsuet and haves numer would e-slaps d side peak. They have a headling of its ground round of 20 cm. hard ground.

Boats fishing with these have 620 mashas around the nets include the 86 ft. Peterheod vessels Benevilo The groundrops in increase. ond Lorenzo (skippers Peter poreles 70 ft. of spherod Ritchie and Arthur Buchan), bobbine flanked by a short and Sporkling Stor and rubber leg which extends to Foirweather V (akippers John the and of the cut-away loss Buchan and John Alec wing.

An extanded rubber by

Buchan).

Similar models are on order for severel Scottish vessels planning a switch to this fishery, including Favonius, Fidelis II (see page 886) and Conquest.

The nets for nll these bonts are broadly similer in design end feeture a cut-awoy lower wing to give a good hendline height. They are mode of courlene twins.

An extended rubber leg the continuea the ground rope forward to meet the lower bridls.

Each boat tows with one warp which is joined to the sona Trowlex chains used for the groundrope ig. The heedlins is rigged with a let of floets.

courlene twins.

The nets are a development from on oerlier deelen used successfully last year hy the Peterhend vessels Foithful II (Skipper Walter Milne) and Ugicvale II (Skipper Arthur Buchan).

A real world total lust cottless in the region of 500 to

A scale model tested lust cotches in the region of 500 to year in the White Fish 600 haxes caught with the set.

Abova: Arthur Suchan Iright), manager and par Jackson Trawis, helps out with a net for a North Shinks

switch to white fish pairing. She has a Jackson pair

Authority's flume tank at little showed that a heading height of 24 ft. could be achieved.

ft., groundrope of 202 ft. and

The slout nata baing mide

Jackson seine nets.

Similar nete have been supplied to the Peterhead-registered Day Dawn II end the Fraeerburgh vecesls Dayspring, Rivo and Rodiant

Jackson seine nets.
Quits a lot of prawn trawls
als elso made for the west
coast of Scotland. A popular
modal is the 'high-flyer'
which has been in use for the
last 18 months or so.
With 8 in, meshee on the

top wiggs and a smaller mesh THE NET-MAKING

A lot of these nets have been supplied to fishermen through two Mallaig chandlers, John Hendersoo and Johnstone Brothers. A few Peterhead boats have mackerel fishing saw a lerge

this trade further. Several nets were originally made for be repaired. the Canedien Government During the early pert of the and, recently, more have been year fish are more plentiful supplied through the agency on rough bottoms and hoate

Seine nets are still around half the firm'a work.

The well-proven design is still very popular and, among new vassels to be supplied with them, are St. Kilda (Skippar John Thomson of Lossiemouth), Fidelis II (Skippar Stewart Buchan of Freesrburgh) end Conquect (Skippar Dennis Reid of Buckie).

Scotland's top seiner Argonaut IV, fishing under Skippar Devic Smith of Anstruther, regularly uses Jackson seine nets.

Of Gourock Industries of the try to set their gear as close to the hard ground as possible. And often nets get damaged. Caley has been to the meshes in the bag have a 5 in in designing and supplying white fish pair trawle and is still finding a demand for them.

The Peterhead vessel to be supplied with her skipper and crew is in Newfoundland to teach local fishermen Scottish catching techniques, is using Jackson seine nets.

Seine nets as used in Scotland are popular, but the meshes in the bag have a 5 in in designing and supplying white fish pair trawle and is still finding a demand for them.

Manager and master net maker, Peter Buchan, designed the trawle which were first used by the successful peterhead partnership Unity and Morning Dawn (skippers Turn to page 30). when she returns homa.

Right: Starlight | Skipper Alec Baird) hee done exceptionally

well on white fish pair trawling using en Apeldoom four-penal nylon nat. She has also used a Caley pair trawl for fishing hard



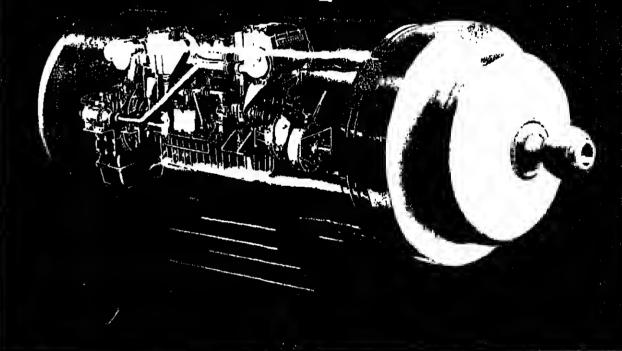
on the bottom, it is designed division of Caley to have a big headline height Fisheries (Peterhead) to catch white fish in addition employs 16 people and employs 16 people and la very busy making nets and handling a terrific amount of

used these nets off the west number of mid-water trawls, Jackson Trawls recently blggar English stern fishers, started to export nete to being sent to the firm for Canada and hopes to develop repeir. In March end April a lot of eeine nete also need to



An Apeldoom white fish pair trawl being delivered to the Seft Barvollo bought from Pleatwood by Sidpper Peter Ritchie, Caley is short for these Dutch nets which are proving very popular for working classes. working clean ground.

# Old salts have a way of preserving masterpieces



Fishing calls for a special breed of men, learless men with guts and determination. Men who pin their faith in a good crew, a sound sturdy boat and a reliable engine, and nowhere is engine reliability more essential than on the fishing grounds with e gale imminent, it's at times like these when you're glad to have the reliability of Volvo Penta aboard.

But Volvo Penta benefits don't stop there, because they're more dependable, they need less maintenance which in turn means less cost and more time fishing. Sound engineering has made them compact in relation to their power output with low fuel consumption.

Volvo Penta Merine Engines are individually tested for perfection before they leave the factory; sach ons an enginearing masterplece in its own

Volvo Penta Merine Engines ere renowned the world over for their reliable, continuous operation in fishing boats of all types, for propulsion and euxiliery duties. Models range from 20-580 horse power with a full range of ancillary equip-ment. You ows it to yourself to have the best, but it doesn't always have to be the most expensive, so give us a ring and find out the facts, soon.



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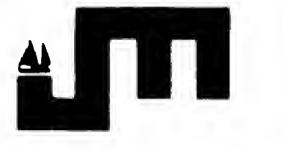
106-156 s.h.p.

100 SERIES 144-195 s.h.p.

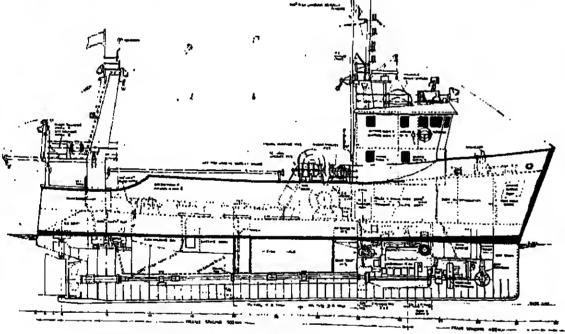
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COME AND TALK BOATS TO THE BOAT PEOPLE AT CATCH '78 ON STAND B662

McTay Marine Limited Head Office: gezines, Bromborough, Merseyelde Telephone: 051-334 6461

Millar and Sons Limited Head Office: St. Monens, Fife, Scotland elephone: St. Monene (033 37) 209, John McLean and David Morgan) in 1976.

Morgan) in 1976.

These four-pansi trawla are designed for the hard ground and were made from heavy courlens to withstand ahrasion. Wing and forenet meshes ore 4½ in. and the fishing circle is 520 meshes.

This year Mr Buchan has designed a white fish pair trawl for the 65 ft. eteel vessel Stonhope III (Skipper Peter Strachan) which is to atart white fish pair trawling for the first time.

The net will be suitable for two vessels each of 500 hp and, at Skipper Strachan's request, it will be larger than earlier models with a bigger opening.

Meshes on top wings and forenst, and in the side pan-els, will measure 6 in Those on the lower part of the net will be kept at 4 in, to give the necessary strength for

working hard ground.
The side panels will be 60
meshes deep, while the groundrope rig will be composed of
50 ft. of Teal rubber hobbins

fishked by rubher legs and all strung on wire.

All these Caley white fish pair trawls are fished with a similar arrangement of bridles and eweeps, the length of which varies according to the preference of the skipper.

They are rigged with 11 in. floats.

Calsy is agent for the Dutch net maker Apeldoornse Nettenfabriek whose nyion four-panel mid-

warp.

An export trade in Scottish seine nets is developing, a number having been sent to Canada during the iaet 18 months or so.

Caley seines are currently in use aboard the 86 ft. Peterhead vessel Juneve IV which is in Newfoundland to teach local fishermen Scottish fishing methods.

Level and will have aiuminium covers.

Other modifications will incident and placing the pursing gallows on the shelterdeok.

The lengthening was designed by the Napier Co. (Arbroath) and agent for Kwaerner of Norway is Scandinavian Marine Sales Ltd. of Glasgow.

Morning Star, whose lines were designed by Tynedraft



bow section pulled 20 ft. forward for the

tion on Morning Star. The work is bey

# Foirweather V. Foithful II. Morning Dawn, Seringo, Shemora. Sparkling Stor, Sundari, Ugievole II and Unity are the boats which have been using them. Peterhead-based pair trawlers which switched to the fishery this yeor, or may start later on, are aleo equipped with these nete. These include Acacia Wood, Benuolio, Golden Dawn, Lorenzo, Supreme, Chollenger II. Nordic Prince, Stonhope III. Loch Kildonan and the newly-built Kestrel and Sunbeam. Similar nets have also been sent to several Firth of Forth yessels: the 67 ft. sister-ships is also being fitted with refrigerated sea water to several Firth of Forth yessels: the 67 ft. sister-ships is also being fitted with refrigerated sea water tanks. The lengthening job is being carried out in the dry-dock hy wood and Davidson Ltd. which 'stretched' the ioming series seiner Lanar Bow four years ogo. Designed for working over clesn ground, these rectangular-opening nets are made in different sizes to suit individual vessels. The majority are of dual-

Eoch of three tanks and the

individual vessels.

The majority are of dualpurpose design so that, hy
changing the hag, they are
equally suitable for herring.

Vessels equipped with ths
dual purpose net include Unity and Morning Dawn, Benvolio and Lorenzo, also
Chollenger II.

All these hoats, which have engines in the region of 600 to
700 hp, have a net which measures 74 m. on headline and footrope and 40 m. on the side panels. Meshes on wings and forenete are 24in.

Originally, the Apeldoom

Eoch of three tanks and the appropriate ecotions of huil are being pre-fabricated as separote units hefore heing put in position.

Once the new midships ecction is all in place, expanded polyurethane foam will be pumped hetween the outer wails of the tanks and the boat's sides, deokhead and bulkheade to form the insulation.

Morning Star is being fitted with a Kvaerner model 92/6Ee oooling plant.

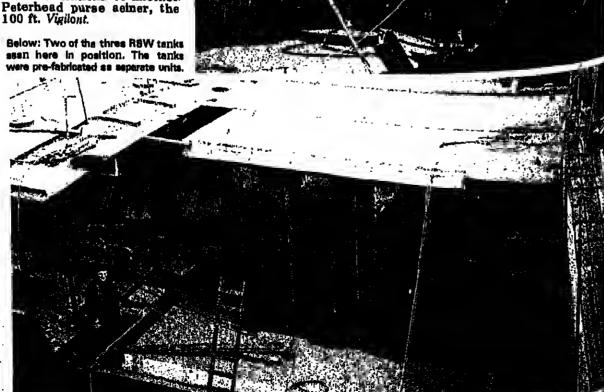
In addition, a steel shelterdeok extending from whalshack to deokhouse is to

and forenete are 24in.

Originally the Apeldoorn nets were fished using two warps per host, hut the skippers have perfected a technique whereby each vessel towe with only one warp.

In addition, a steei sheiterdeok extending from whalehack to deokhouse is to he fitted and the wheelhouse is to he raised. The hatchea for the RSW tanks will he carried up to sheiterdeck invested and will have aiuminium apovers.

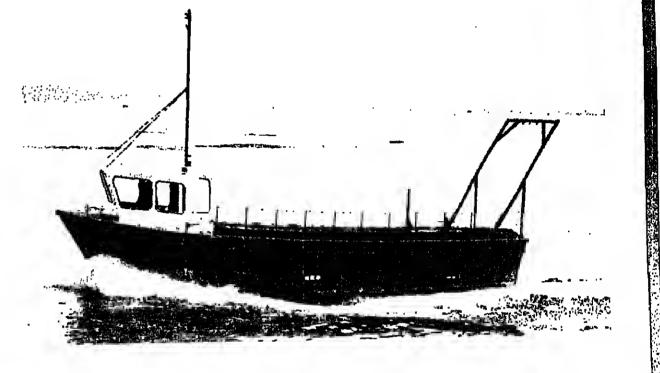
Wood Group, is niso carrying out modifications to mother Peterhead purse seiner, the 100 ft. Vigilont.

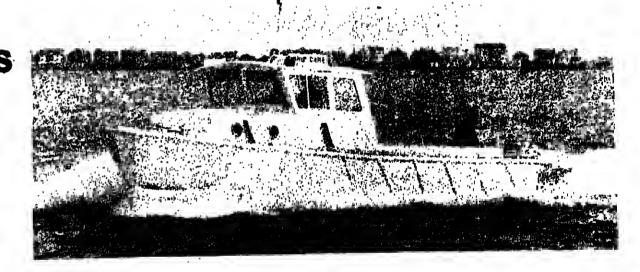






Two of our recently completed 35ft steel hulls



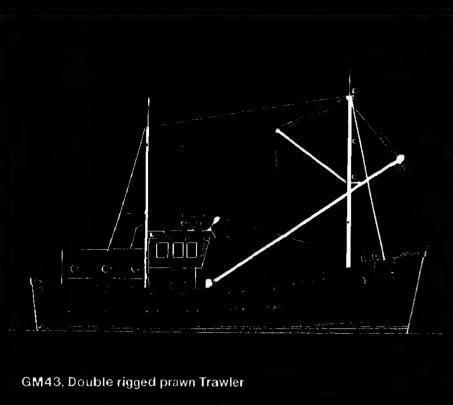


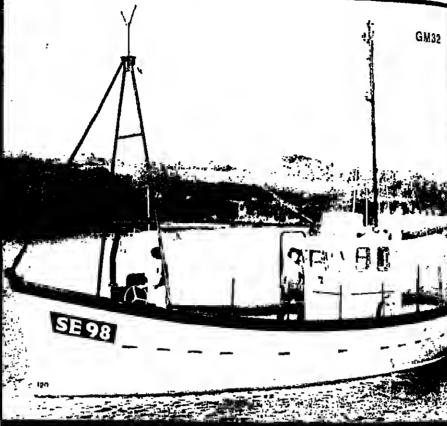
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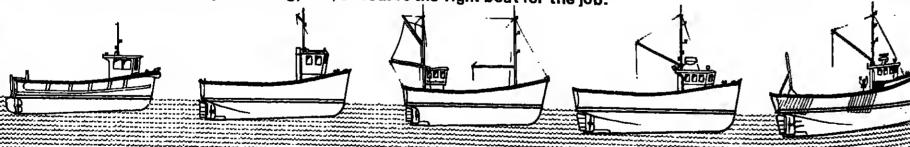






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# Longer Accord has

lecord (top and below) is now over 100 ft. long. She is seen finset) at 86 ft. long when she had just been built by

ONE OF the increasing number of Scottish vessels considered with refrigerated seawater (RSW) tanks is the Peterhead multi-purpose boat Accord.

The work was carried out by the K. Hekvoort yard in Holland and also sntailed fitting the vessels to join the Scottish flaet.

At the time of her building at the Hakvoort yard in 1970 Accord was one of the more unusual vessels to join the Scottish flaet.

Skipper James Duthie had har designed and equipped to work as as stern trawler, pair trawler, purse stands and new winches.

However, with the growing safety and ease of working for the makes of working for the raw, and the fisherous suffective than chilled assawater as sifective than chilled assawater as ffective than chilled assawater as sifective than chilled assawater as sifective than chilled assawater as ffective than chilled assawater as sifective than chilled assawater asifective than chilled assawater as sifective than chilled assawat

42 mm. The pipa plates are made from the long life material Inoxedar.

The bost's alectrical system has been up-graded to 220 V a.c. and the compressor for the refrigeration plant is driven from a 40 hp electric material.

by a Catsrelliar D398B angine devaloping 850 hp at 1,225 rpm. It turns a Pay and Brinch controllsble

Skipper James Duthie had nar transported ovariand to the designed and equipped to work as a processor.

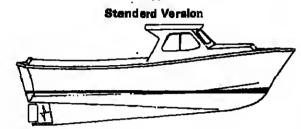
designed and equipped to work as a processor.

stern trawler, pair trawler, purse However, with the growing Ituses a seawater cooler of a new seiner or fly-dragging seiner with emphasis on quality rather than design incorporating aluminium-talaphone and a RSW tank aqual efficiency, and to provide quantity in the herring and brass pipes with a diameter of over temperature indicator.

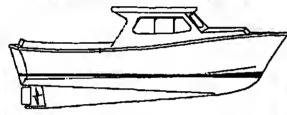


Moulded in GRP under ideal conditions to exacting standards, the Lochin "33" hull and superstructures are truly versatile.

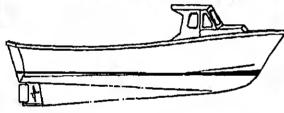
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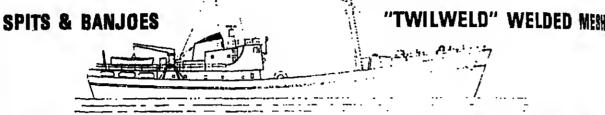
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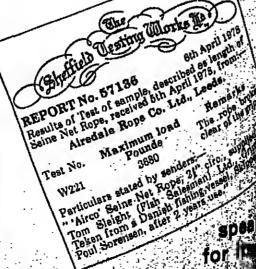
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trawler Bounteous owned by Buckie ekipper, Edward Phimlater and his pertnere, le the ninth vessel in a very populer eerles of small atern draggers.

The angle of the superstructure, and is fitted with dog clutchaa and a reverse control. trawler Bounteous own- two-cylinder Lister auxillary

tom and mid-water trawling

With a beam of 18ft. 6in. end toonege of under 25, the best has a trensom stern end reked soft hose stem. Below deck she is sub-divided from forward into engineroom.

cabin end fishroom.

Power is provided by a sixcylinder Kelvin engine which
develops 310 shp et 1,200
rpm. The unit is coupled
through a Kelvin 31:1 reduc-

wheelhouse fittings include a Bostrom Viking 300 chair, Morse engine and winch controls, also the elarm panel for the trawl winch, and a bydreulic pump unit for power block and cargo winch, are driven from the fore-end of the engine through a Sutherland clutch operated step-up gearbox.

Two 3.6 kW 24V Transmotor generators, a Gilbert Gilkes and Gordon generators generators and a small Electrolux fridge.

A toilet is housed in the fore-end messroom, located in the superstructure, is fitted with a Kempasfe oll-fired cooker and a small Electrolux fridge.

A toilet is housed in the forward end of the euperatructure and bunke for six are poeitioned in the cabin aft of the engineroom.

Two tanks in the stern hold 1,800 gallons of fuel oil, whilst fresh water is carried below the fiehroom.

Herd and Mackenzie of Buckie bullt these vessele starting with Unity (BCK57) in 1972.

These hendy vessele, of double-chine hull form, have less themselves ideally to bottom and mid-water trawling—

Arranged for carrying fish in horse or in hulls the

Arranged for carrying fish in boxee or in bulk, the fishroom in Bounteous is insulated with polyetyrene factoring fish in boxee or in bulk, the fishroom in Bounteous is insulated with polyetyrene factoring fish in boxee or in bulk, the fishroom in Bounteous is insulated with polyetyrene factoring fish in boxee or in bulk, the fishroom in Bounteous is insulated with polyetyrene factoring fish in boxee or in bulk, the fishroom in Bounteous is insulated with polyetyrene factoring fish in boxee or in bulk, the fishroom in Bounteous is insulated with polyetyrene factoring fish in boxee or in bulk, the fishroom in Bounteous is insulated with polyetyrene factoring fish in boxee or in bulk, the fishroom in Bounteous is insulated with polyetyrene factoring fish in boxee or in bulk, the fishroom in Bounteous is insulated with polyetyrene factoring fishroom in Bounte

Electronic inatruments in the wheelhouse include Elac LAZ72 acho eounder with LAZ62 Flshlupe, Wesmar 220 sonsr, 'Sailor' T126 R105 radio talanhone, two 'Seilor' redio telephone, two 'Seilor' RT144B vhf radio talephonea, Mermaid 23 Watch Receiver Robertson AP30 Automatic Pilot, plus Dacca Mk.21 Navigator, 350T Track Plotter and 110 radar.

Tenfjord 76 FSG steering tion end reverse gearbox to a gesr is coupled to the Friedenthal fixed-pitch eutopilot, and other propeller boused in a Kort wheelhouse fittings include a



white fish from Peterheed under Skipper Edward Phimister.
She is powered by a 310 shp
Kelvin diesel and hes a Kort





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Seeweter shows bright blue. Colours of displeyed echoes very from red -- for the most intense returns such as Thuse from e herd seabed - through orange, yellow, derk end light green to white for the weakest echoes of all such es plenkton - and light blue for 11071-echoes. Eech colour hes two tones. Dense fish shoals show red to orange, sperse ehoels yellow through derk end light green to white. Soft end herd seebeds are similarly easy to distinguish, and fish on the seebed are discriminated from the bottom itself with a diepley which is superior to white me end grey line definition.

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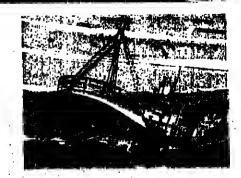
To seebed and rising into planktor Denser shoel in mid-water. White reen line is varie bie marker. Time

close to the seabed is easily distinguisheblese is ea hallow

Small shoals of tish in plankton near the seabed. Capth and venable

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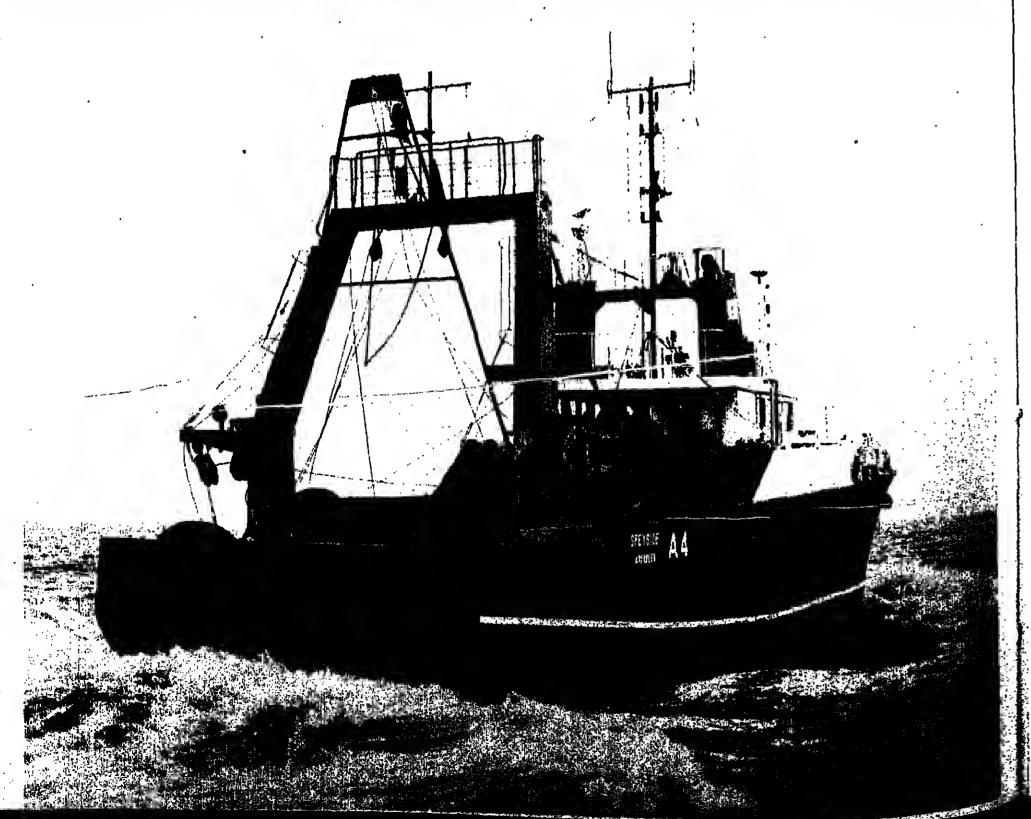
# ABERDEEN trawler owners are now being forced to start a

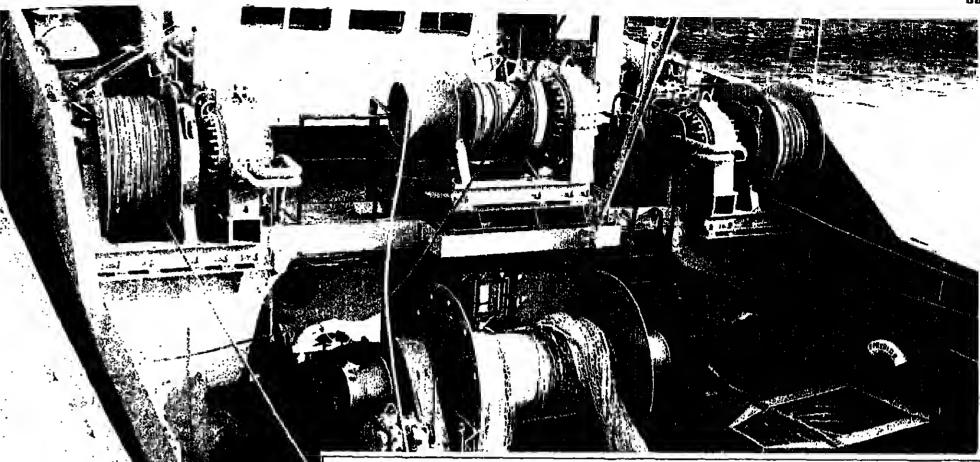
rebuilding programme as a high proportion of the fleet is nearing the end of its economic life. At least three companies are already having new boats built and others are expected to place orders with British yards in the near

The loss of the deep water grounds and uncertainties over the Common Fisherles Policy have persuaded owners that smaller stern trawlers in the 80 to smaller stern trawlers in the SU to 100 ft. class will be most suitable for the port. These trawlers, equipped for bottom and mid-water work, will be able to fish for a variety of species within the EEC limits and have ample seaworthiness to cope with bad

The first vessel in this new class is the 86 ft. Speyside. She errived et Aberdeen in April and ie now bottom trewling for white fish off the west coast of Scotland, She has been built in Lowestoft by Richards in the summer to for Skipper Peter Simpson of Skipper Peter Simpson of Simpson of the Moray Firth. Speyside is menaged and part-owned by the Spinning dale Fishing Co. of Aberdeen and it is company policy to perticipate in vessel owner-shaped of Scotland, She has been built in Lowestoft by Richards in the summer to another well known eklipper, for Skipper Peter Simpson of Skipper Peter Simpson of Simpson end his should speyside, own shout 50 per cent of the shares in 50 per cent of the shares in 50 per cent of the shares in the vessel which wes built at a cot of £750,000. Speyside to give a high cot

'Deepsea'
boat to
work in
EEC zone





handling machinery includes Speyside's Norwinch gear

s net drum.

Solit trawl winches, sited the eptit trawl winches and on the after end of the fo'cale glison winch on the efter deck, keep the warps well and of the fo'cele deck, also the clear of the trawl deck and net drum at the fore end of the Norwinch autometic trawl control system to give a fair

measure of autometion when working the trawl.

Speyside, built to Lloyds + 100 A1 Stern Trewler - LMC +UMS Classification, has an overall length of 26.25 m, (86 ft.); registered length, 24.24 m. (79 ft. 6 in.); moulded beam, 7.80 m. (25 ft. 6 in.); end moulded depth, 3.80 m. (12 ft. 6 ln.).

Under Pert 1 Registry sho

White Fish Authority. All steel pletes were shot blested end primed with Nuplate Primer 'A' prior to febrication and ecantlings are ten per cent above Lloyds'

from forward into forapeak, engineroom, fishroom, net store and steering gear com-

the vessel is the first in the trawl dack. Controls are comi-UK fitted with the naw autometic. llmits to suit requirements while staaming end fishing.

Propulsion is provided by a Mirrless Blackstona ESLAM tinuous rating of 900 bhp at

trollable pitch propeller through an Ulstein 220-AGSC gearbox of 2.96:1 reduction ratio. The engine has e gross tonnege of 194.40 end net tonnage of 64.62.

She hes been built throughout of Lloyds-tested mild steel and complies with ell requirements of the Dspartment of Trade and White Fish Authorlty.

All steel pitch propeller through an Ulstein 220-AGSC gearbox of 2.96:1 reduction ratio. The engine has compressed air starting and is fitted with a Brown Boveri turbocharger.

An 80 kW ECC a.c. alternator is belt-driven off the extension shaft at the fore end of the engine. Also, two hydraulic pumps for the deck

hydraulic pumps for the deck machinery are driven off the fore end of the extension sheft through a single input, twin output, Frank Mohn gearbox and clutch.

minimum requirements.

The vessel is of round bilge form and has a raked bar stern and transom atern.
Her underdeck is cub-divided from forward into forapeak,

Some 40 tonnes of fuel oil

This drives a clutch-opereted dilbert Gilkee and Gordon

300/875 bilge and generel and analysis at the stern, while 12 tonnes of freeh water ere

cerried in wing tanke in the engine room.



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and general service pump,
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compressor, Megator Compak fresh water ond sea water
pressura sata, Worthington
Simpson fuel oil transfer pump, Dowty standby pump for the main gearbox, two Norwinch auxiliary hyd-raulic pumps for tha deck machinery and tha steering

geer pump.

L.E.C. Marina Ltd. of
Loweatoft supplied the
deadfront-type main switchboard and also carried out the electrical installation. The electrical system is supplied from the two diesel-driven alternators, only one of which can be in use at a time.

Power circuits ore fed from the 440 V, three phase, 50 Hz supply whilst a 230 V, eingle phase, 50 Hz circuit feeds lighting systems, etc. The 24 V batteries are charged via a transformar rectifier from the

230V aupply.

Lube oil and hydrautic oil
tanka each of 100-gellon
capacity are carried in the

enginercom.
All the low prassura hydraulic deck machinery is of Norwinch menufacture. Eech aplit trawl winch has capacity for 500 fathome of 2\frac{1}{2} in. circ. wire and is fitted with Lebua spooling equip-ment. Hauling spead can be stapleasly controlled from zero to maximum and the winches have two speed and

power ranges.
Each winch is designed to have the following duties:
Empty barrel
12.7 tons et a hauling speed

of 0-19 m/min. 5.1 tons at a hauling speed

of 0-38 m/min. Mld barrel

4.8 tone at a bauling speed of 0-50 m/mln. 1.9 tons at a hauling speed of 0-100 m/min.

1.2 tons at a hauming of 0-160 m/min.

All functions of the trawl winches can be controlled from a console in the after end of the wheelhouse, but speed and direction plus variable braking can elso be effected locally.

The net drum, located on Turn to page 43



Above: electronics ere grouped in a console aboard Speyside. The wheelhouse has been Right: Merconi supplied tha finding sids aboard net monitor (left) end Flehgraph K scho sounder with electro-hydraulic remote plete inatrumentation to register varistlona ln gear while towing end to implement corrective measures. It allows a pre-determined length of werp to be autometically paid out and recovered. In addition, it automatically edjusts werp length when the vessel is tow-

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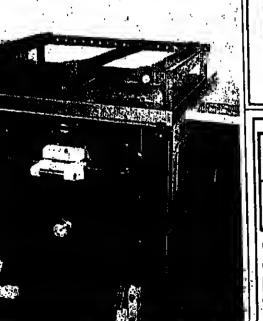
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the centre line at the forward end of the main deck, also hae two speed and power rangee with atspless speed control; maximum pull is eight tons. A glison winch with a declutchable drum and a werping head ie fitted on the after end of the fo'cale deck,

June 9, 1978

tween the trawl winches. Nst drum and gilson winch have local controls, but speed sod direction can also be governed from the whashouse. A Norwinch and of the fo'cale deck.

Hydraulic power for the trewl winches, net drum and gison winch is provided by two Allwailer type SMGH 940 pumps driven from the fore and of the main engine. About 200 hp will be transmitted through the Frank Mohn

gearbox.
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winch auto-tensioning device. The atem gantry is fitted with outriggere to carry separate towing blocke for bottom and mid-water trawl-

bottom and mid-water trawling.

A Kempsafe electric cooker and het water cylinder are fitted in the combined galley and messroom, and an LEC gantry and a 15 in. diameter deep freeze cabinet is carried stern roller is fitted at deck in the provision store. level across the transom, in wey of the perforated steel

topping lift for working the landing dernick are located on

The dack ponds consist of hardwood boards in ateel stanchions. A Cosalt stainless steel fish wesher ie carried on deck, eod Chalmit floodlights are mounted on the euperstructure.

Equipment from Decca include Mk. 21 Navigator, 450 Automatic Pilot and 350 T Track Plotter. Fish finding end communications aids were eupplied by Marconi.

Figh findere include

The fishroom has a capacity of 116 cu.m. (4,100 cu. ft.) end is insuleted to a high stenderd with foo med polyurethane, linsd with 18 mm. merine plywood faced with 12 gauge aluminium shest.

Wesmor SS230 sonar with R50 recorder; Fishgroph K type SRM-872AV multistylue recording echo sounder with fishscope display unit; and Koden NM-850A Net Monitor.

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The nice-man accommoda-tico arranged below the fo'csle deck is of a very high atan-dard for such a vessel.



There is a cabin for the skipper, plue a two-berth cabin for mate and engineer. The remainder of the crew are housed in a six-berth

POST POSTAN

Other facilities in the

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commodation include tw stem getes.
All the blocks, cleats, etc., for hendling the gear are carried on the etern gantry, but e fish tackle block and a but of the specious wheelings the standards for

landing darnck are located on the crosstree between the funnsls.

Figh finders include Wesmor SS230 sonar with

with 12 gauge aluminium shest.

Arraoged for shelving, boxing and bulk carrying, the fishroom has aluminium stanchioos and boards and le served by steel hatchee with aluminium covers.

The nice-man accommode.

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Communicatione equipment includee 'Sailor' T126

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# Scots hull Taken over

time has now been fitted out es e side trewier. She is fishing trewier by the yerd of Rabben Mek

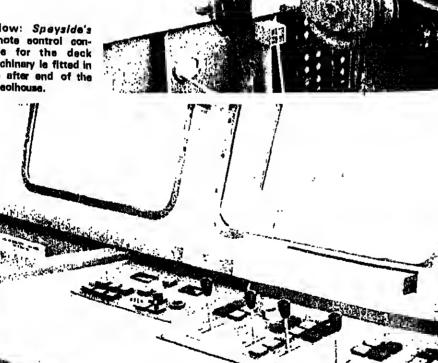
The vessel, originally ordered Midvelt wee to be named Honey Dew. Her vessel hee e trensom stern end le Hull we e built by the powered by e Ceterpiller D348 Middlaebrough yerd of Tess engine of 725 hp. This drives a Merine Services under sub- controlleble pitch propeller contract to Smith and Hutton,

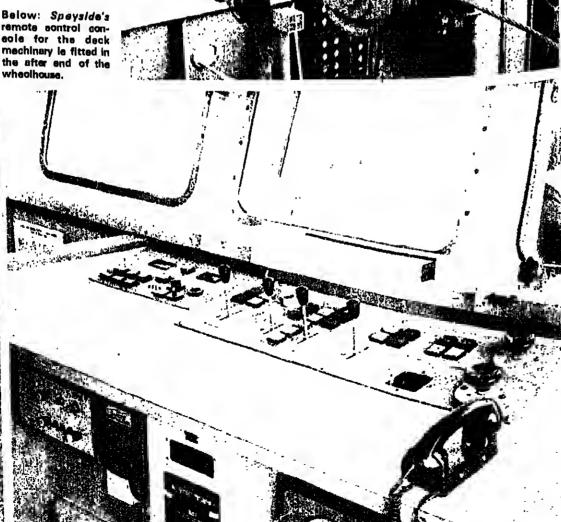
welting to be fitted out the vard Two Ford auxiliary engines are got into financial difficulties and fitted and goar-handling shut down in 1978. Sometime mechinery includes Karmoy leter the hull of Honey Dew was toward to Aberdeen to ewalt a fish finders are fitted in the



Aberdeen. Her

Right: the starn gen-try is fitted with outriggers which







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enjoyed a long and close association with East Anglian fisheries. This extended back to about the middle of the last century. Numerous fifies, followed by the zulus—when they were initially introduced in 1879—made the

annual voyage to join in the

Home Fishing, operating from Yarmouth and Lowestoft. It is impossible to do full justice con-

cerning their activities in eastern waters in one brief arti-cle but, as much has already

been written concerning the sail

fishing vessels based on the twin Angilan ports, this article by L. W. HAWKINS concentrates on

the defunct Scottish steam herr-

ing drifter and the motor fishing vessel, still happly with us.

WHEN SCOTS

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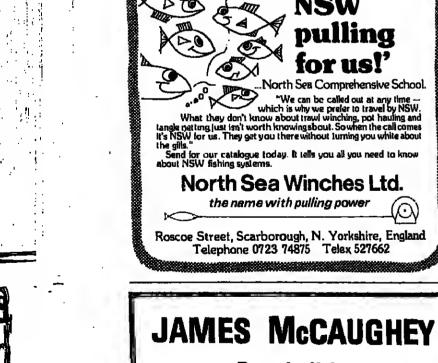
Scottleh Sub-Agents for GRENAA

herring season. Hundreds of boats made the trip until the stocks ran down.

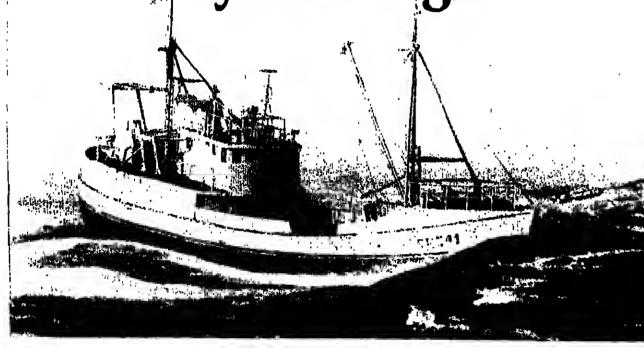
THE SCOTS 1ntroduced steam power for line and drift near deared in the Jackson of the last coasts of the fast coasts of the fast coasts of the fast coasts of the last two decades of the last t

herring season. Hundreds of boats made the trip until the stocks ran down.

Scots drifters steaming into Yarmouth over half-a-century ago to start the 'Home Fishing'



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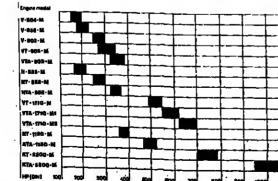
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What a way to go fishing! Rowing out to me gre

luyers and auctioneers working at Yermouth. The driften led

Carver, hod fitted a new patented corrugated propeller of his own design to the vessal. On triols she was reported as covering 12 miles in three bours in a change

Scottish boats begon to put vessels; they lay three to be into Yarmouth towards the deep on each side of the rist and of September 1903 in fur shout 21 miles. readiness for the coming secson. Among the carliest arrivals were two interesting

and the other was termed an ouxillary stoom drifter. They had been sont down to Yarhod been sont down to Yar-mouth as on experiment with a view to testing their decided to take on busien

action and to have been catch. The Yarmouth dilling successful and, ever the The Yarmouth dilling successful and, ever the Twenty Seven (YH 680) ve Twenty Seven (YH 680) ve the and of &: ollowing yours, an ever-nerousing number of Scattish nator driftors were to ho som

that of the wick allow over the total prices sank to 30/- to £2 por lust, which would not poy

At the beginning of 0 tober, the herbour was file

Ciluts set in towards the l'aterhad eteam drifter come in with o shot of 100 cran, but ond stoemed to Ostend,

in trouble at the end of 0: tobor when her gen fould that of the Wick differ Swiz

Onward from Wick and Luconia of Banff. Numbere son built up until there were 514 vessels. Included were Two weeks later, numbere had increesed to 607 Scottieh vessels. Meny comments were mede about one or two

were mede about one or two zulus which hed been converted into auxiliary steam boats; they looked rather clumsy with the steam n the steam and development.

The majority of the local owers and salesmen had by now sciopted the Scottlsh cran system and, to all intents and purposes, Telling' was now a thing of the past. Scottleh earninge varied considerably. Peterhead eailing bosts were making 2100/2200 esch with a maximum of the same statements of the same statements. It is to see and lorries for fish carting, together with 15 tone of the same statements and lorries for fish carting, together with 15 tone of the same statements. There were only a few girls on board as most etill preferred to come down by train.

Norwood made a second trip the following month: this time she discharged more lorries, barrels, a few more passangers and 24 horeas. port's steam drifters topped the 21,000 mark.

ourgh went asbore near speculation.
Peterhead and became a total The 1912 season started wreck, and Abaccame a total wreck, and Aberdeen's Glantilt was wrecked at

219 compensation was paid Eyemouth. All crew members for loss of nets to the Scottish were saved in both cases.

This was a relatively common occurrence; by the end of the year there were 33 cases waiting to be heard at the County Court at one time regarding collisions and loss of gear and nets.

On October 22, 1907, some 60 million herring were distinct the result that the market was flooded. The outcome was that large numbers of 'overdays' were taken out end thrown overboard.

Towards the height of the One Scottish drifter came 1904 season, scores of Scot- in at about 8a.m. but, because tish bosts were coming in with from 70 to 120 crane of herring each. Unloading was going on right up to the Haven Bridge. Fresh herring were selling from 8d. to 1s.1d. per 100. Saited stuff reached 50s.

1 lest: the lowest figure for missioners' hopper barges.

a leet; the lowest figure for missioners' hopper barges

years.

By the end of November, prices had risen on the wharves to 2e.3d. per 100. Overdays were fetching 1e.3d. per 100 and selted, £9 a last.

Large numbers of fifiee and rulus, heside the local luggers, were etill in use and among the tugs helping out at Yormouth were Burmah, Orion, Winchester, Chester and Southern Cross from Hull, Soxon from Falmonth and the London tug Rose.

missioners' hopper barges took out about 60 tone of die-infected herring and dumped then off the port.

As each year progressed, the number of Scottish auxiliary motor vessels ware increasing at Yarmouth. An article in Motor Traction, 1910, suid that up to the present time about 60 zulu-type boats hood been fitted with auxiliary paraffin engines of between being of Gardner manufacture.

the London tug Rose.

The number of Scottish hoets working from Yarmouth had increosed to 590 seil end steom by 1905, but isndings for the yeer were slightly down ot a total of 38,505 lasts.

being of Gardner manufacture.

The first Scottish boats to cumo in for the 1910 season were from Aberdsen: Holly Bank (A258) end Hazel Bank (A217). The Banff fleet suffered a loss on October 15 when the eteam drifter ermouth in 1906 were trence to the Yare. A heavy

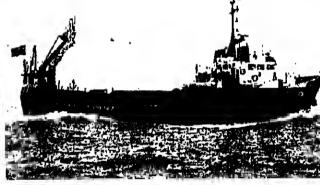
On September 28, 1911, the steamer Norwood arrived mechinery but, really, this from Aberdeen loaded with wee ell part of the evolution 71 passengers, mostly Scotand development of the evolution 71 passengers, mostly Scotand development and carters: 66 tish hoopers and carters; 66

1400. But some of the same Four of the animals died on the same four of the sam Bed weather bit many of Whether this could have been boats. Whitelink of Fraser in the holds is open to

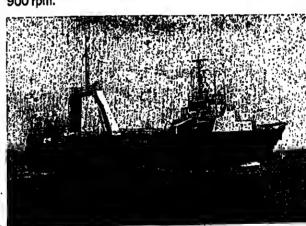
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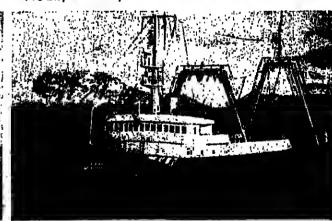
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paratively near the port.
With the shoale only 10 to 15 miles to the east, drifters were able to land their cetches quite early in the day end get away again quickly. It was not unusual for drifters to have laoded their catches and left again for the fishing grounds by 10 or 11a.m. In some cases boats returned to port with another catch of string on the eame day.

Towarde the end of the season SS Norwood left for Aberdeen with 60 horses, 1,200 nets, 1,000 barrela o pickles, a number of bicycles typewritere, mangles and about 100 passengers. Fifies and zulue were now in the ninority et Yarmouth, only 86 of these craft were

operating.

Mucb has been written ebout the wonderful 1913 season at Yarmouth in which 742 Scottiel registered boate took part. A total of 824,213 crene of herring were landed

st Yarmouth.
A couple of additional facts
thet do not seem to hove been mentioned are that several boets regularly fiehed from Lowestoff and delivered to Yermouth, landing 2,625 creus from 30 vessele.

Against this, come that regularly fiehed from Yermouth

mouth and delivered at Lowestoft landed 19,969 Lowestoft landed 19,900 crene at the Suffolk port.
Aleo, owing to the glut of herring, numerous trips were made to Ymuiden, in Holland

Pert of the drifter field to Yarmouth plotured acon after 1932. Left to right era:
YH 180 Ocean Trust (owned by Bloomfields), PD 288 Monards

One Scottish boat, the steam drifter White Heather of Banff, was lost during the seeson. She was run down and sunk whilst she was shooting her nete by the Shielde vessel Northumbrio. Luckily, this was without onvious of the Stilvar Prince (E.T. Cappel, bold). WY 14 Wyeburn IR. Milburn). YH 757 Webs.

Luckily, this was without ony loss of life to her crew. The first Scottieh drifter to put into the Yare during the first wertime sesson of 1914 wee Christino Craig (BK 271). She was one of the seven

bold). WY 14 Wyeburn IR. The cream of the Scottish minutes, her crew of nine beMilburn), YH 757 Violet & drifter fleet now working ing taken on board Oceanic.

Rose IR. & J. L. Bells, YH 578 with the Royal Navy rendA further loss came during the following year when Scat-

differe to be aunk on the night of February 14, 1918, in the Dover Strait, when the neuled by German nuvni forcsa.

One of the beet londings mede during thie season wee the 101 crans of 'overdaya' discharged by the Berwick drifter Foithful, fetching 278 at euction. There were only 72 Scottieh boats operating from Yarmouth that year.

Buohsn).

The autumn of 1918 saw the aurprising number of 291 scottleh boats working from Yarmouth, no less than 210 of the aurprising number of 291 scottleh boats working from Yarmouth, no less than 210 of the meior motor-powered. On November 19, 1919, Oceon Creet II (YH 29) had her etern blowu away when ahe atruck a mine on the grounde. Her eklpper-owner, William Sbreeve, and the laweeman were killed.

The autumn of 1918 saw the aurprising number of 291 scottleh boats working from Yarmouth, no less than 210 of the mejority of the Scottleh boats working from Yarmouth, in less than 210 of the mejority of the Scottleh boats working from Yarmouth, in less than 210 of the mejority of the Scottleh boats working from Yarmouth, in less than 210 of the mejority of the Scottleh boats working from Yarmouth, in less than 210 of the meing motor-powered. On November 19, 1919, Oceon Creet II (YH 29) had her etern blowu away when ahe atruck a mine on the grounde. Her eklpper-owner, William Sbreeve, and the haweeman were killed.

The Wick fishing fleet suffered in the surprising number of 291 statement of the aurprising number of 291 oceon Creet II (YH 29) had her etern blowu away when ahe atruck a mine on the surprising number of 291 oceon Creet II (YH 29) had her etern blowu away when ahe atruck a mine on the surprising number of 291 oceon Creet II (YH 29) had her etern blowu away when ahe atruck a mine on the surprising number of 291 oceon Creet II (YH 29) had her etern blowu away when ahe atruck a mine on the surprising number of 291 oceon Creet II (YH 29) had her etern blowu away when ahe atruck a mine on the surprising number of 291 oceon Creet II (YH 29) had her etern blowu away when ahe a

Cheerlo Lads (E. A. Baker), YH ered veliant service during the following year when Scotthe war years, with exploite tieh Chief (BCK 79) was M. H. Stephen | R. D. Stephen | in the Dover Strait, North working shout three miles and PD 39 Green Pastures (G. Sea and in the Mediterra-

# THE LATEST

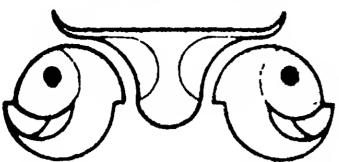
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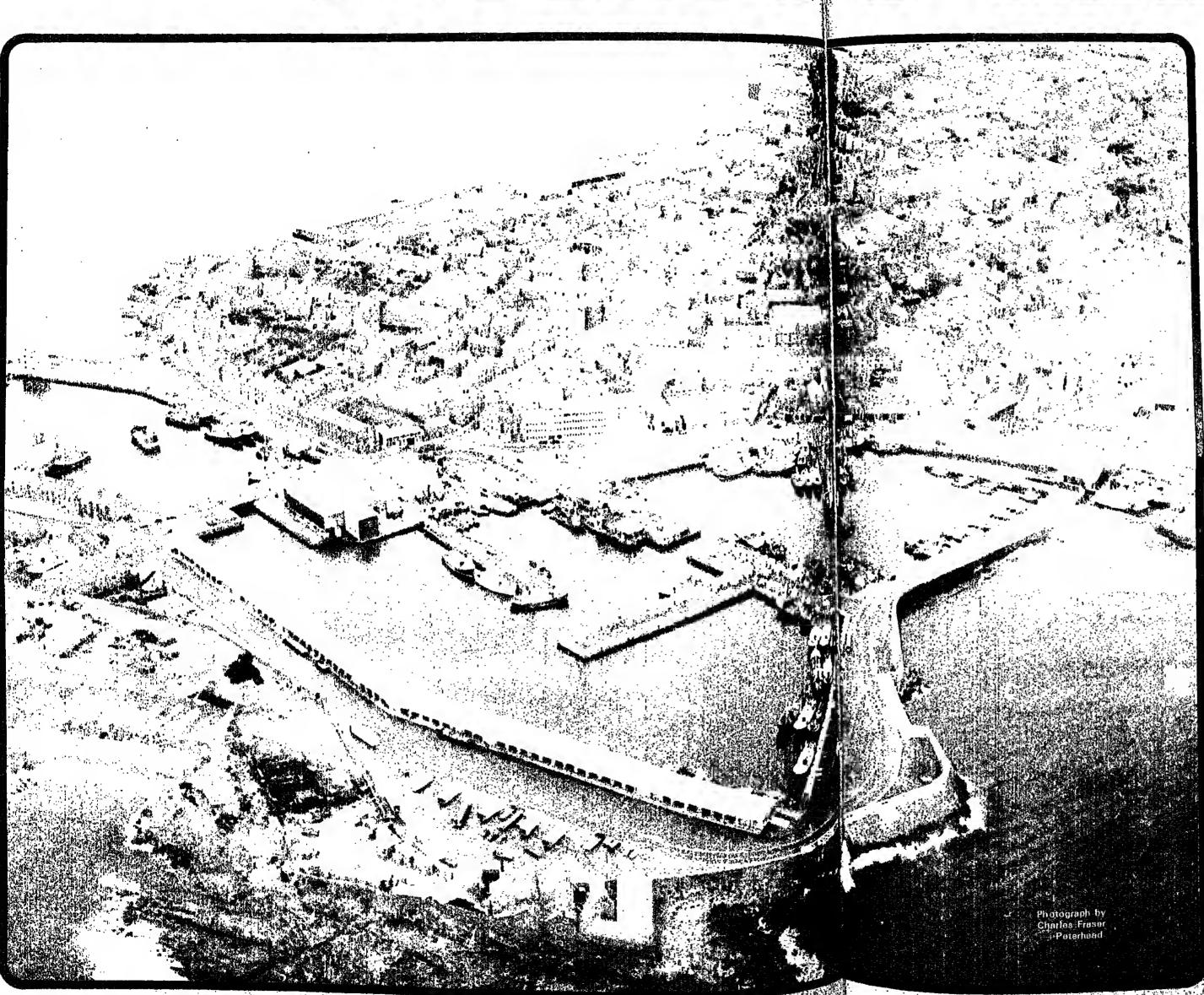




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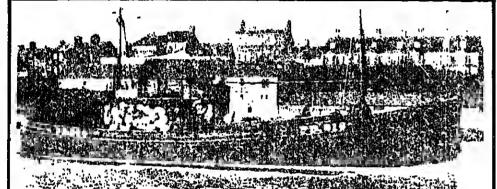
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Above: Star of Bethlaham, ekipperad by G. Formen, took the Prunier Trophy in 1961 with a 3031-cran ehot. Below: the 1955 winner with 2101 crans, Skipper G. Duncan's Morning Star.



# Four Prunier Trophy boats



Abovs: 1960 and cetchan are coming down. Silver Harvest ISk. J. Cardnol hed 1674 crens The last winner in 1666, 6kipper C. Duthle's Tee Rose |below| put ashore only 128] crane.



first week in December 1921. On December 5, the Fruser-burgh M.D. Jennie Noble home back to Scutland when her skipper noted the colour of the water and decided to shoot some nets and was rewarded with a catch of 80 erans. These were bringht

She left again for home on same area, this time bringing

A third departure for home month, from Alerdeen and was made on the ninth, and the various fishing centres not resist the temptation Moray Firth and, also, from whilst passing the Huisborn' the Western Isles. there were still plenty of herr-ing about, came buck to Ynr-with about 2,000 lisher girls.

the crew got back to Scathani

equally hot ashore. Following many argumants along the fish wharf of Yarmouth, the maneger of W. S. Sinter and Son, herring curors of Gorleston, decided to chack a Scots lassie in 1923 to ascertain how mony herring could was established that 57 herr-

On the last day of October, S.D. Vintoge (BCK 380) was found to be leaking near Hammond's Knoll; the nearby S.D. Veteran (PD 560) went to her assistance and took off the crew of nine. The Buckie boat foundered shortly aftarwards.

A further lose to the Scot-tish fleat came o faw days later, when the S.D. Foithful (BK 246) was struck amidships in the Yare by the steam trewlar Audrey (YH 215) and aunk with no lose of

Both Foithful and her skippar were wall-known at Yarmouth. It was the cuetom

lishermen to those in need.

A surprising number of A surprising number of Scottish heats turned up at Yarmouth for the 1921 season, 720, although the industry was in a gradual state of decline. Several of the Scottish heats left during the third week in October to the Morny Firth, where hereing figures 1921. Morny Firth, where herring since 1924.

ed at Beach Station, Yar- 270,230 crans, a hogi

these is knuwn as definitely

the crew got back to Scallum in thate for Hogananay!

The Home Fishing sensor of 1922 was under a cloud, not only because of the poor lishing, but over the loss of four Scattish steam drifters; David B. Summers (Pl) 201, Cordelia (Pl) 201), Golden Feather (BF 3136). Antazingly, no lives were lost.

Cumpetition at son was vicinity until December.

the long trum was entirely filled with girls from Stormany, who travelled with girls from Stormany, who travelled vite from Stormany, who travelled truins. Some had travelled twee round the clock.

Service Control of Skipper Collins to give each year the proceede of hie last catch of fish to tha Yarmouth General Hospital, an Leith in 1886.

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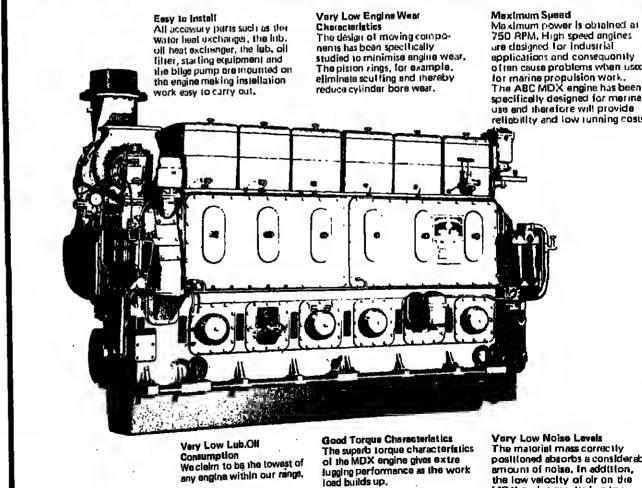
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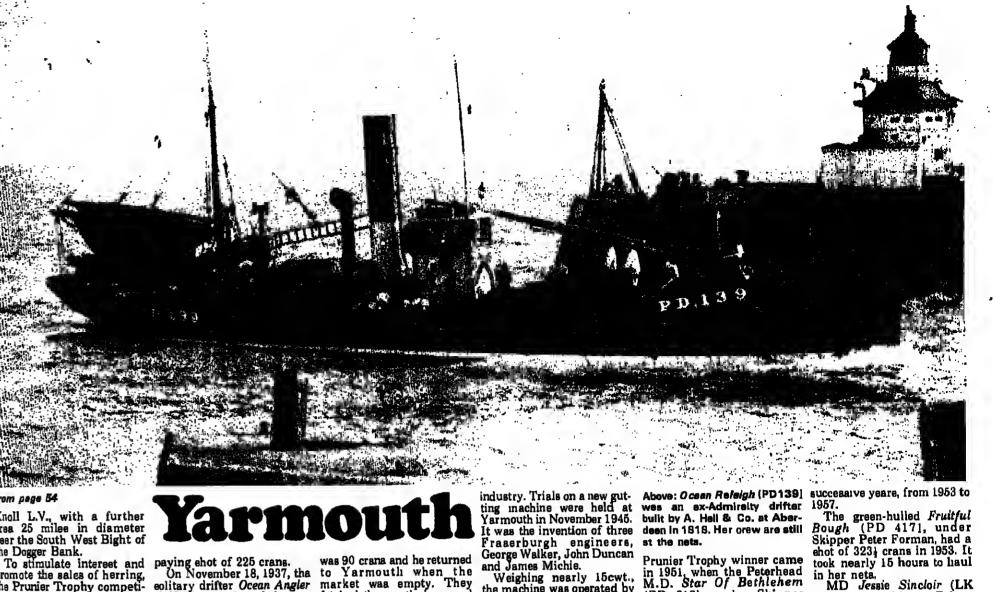
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Knoll L.V., with a further area 25 miles in diameter near the South West Bight of

area 25 miles in diameter neer the South West Bight of the Dogger Bank.

To stimulate interest and gromote the sales of herring, the Prunier Trophy competition was introduced in 1936.

Spansored by Madame Simone Prunier, a London fish restaurant owner, all differs (steam and motor). engaged in the Home Fishing were eligible to compete.

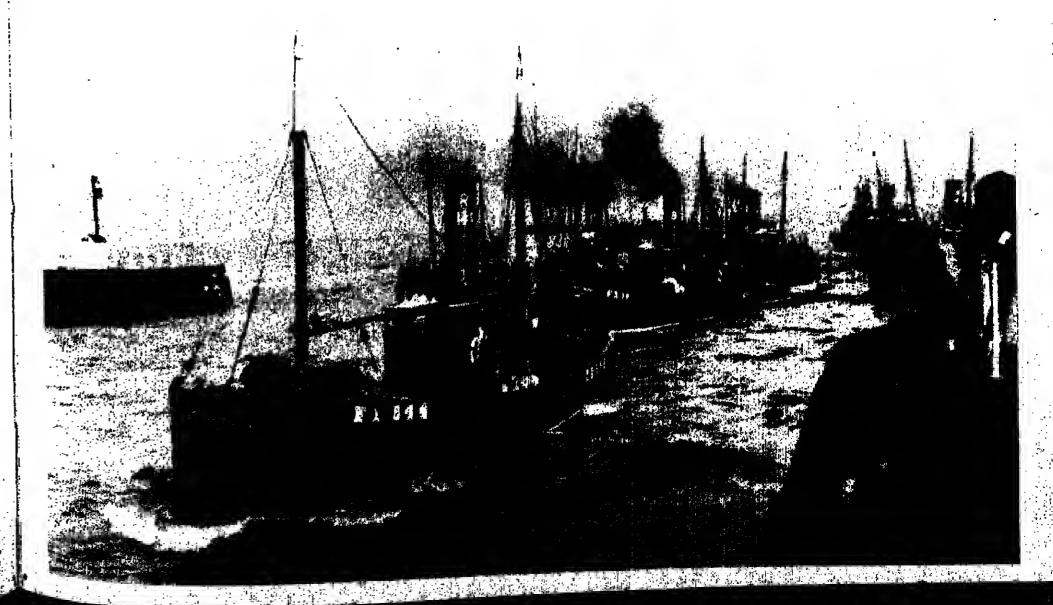
Scotland got first grip on the trophy when Boy Andrew (BF 592), under Skipper of Ocean Angler where were big landings and the trophy when Boy Andrew (BF 592), under Skipper 30 (Caran be had aboard.

Minimade a fine shot of 231 crans and shot more years thin to the computer of the south Leman Buoy. It was the invention of three Fraserburgh engineers, the neets.

Weighing nearly 15 cwt., Weighing nearly 15cwt., Weighing nearly 15 cwt., Weighing nearly 15cwt., Weighing nearly 15cwt., On the previous Tuesday drifters (steam and motor). Ordinarily, the money were light to compete.

Scotland got first grip on the trophy when Boy Andrew (BF 592), under Skipper G Ocean Angler heard of this on the wireless whilst at sea, thought things arrangements in force, the money went into the common pool and the Ocean Angler strans worth 29a.3d. a cran the strophy when Boy Andrew worth 29a.3d. a cran the strophy when Boy Andrew the strophy when Boy Andrew of the sunt Leman Buoy. It was the invention of three Fraserburgh engineers, the neets.

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Yarmouth Lowastoft drifter Silver Crest (LT 46); each boat held the

trophy for six months. In 1957 M.D. Silver Chord (KY 124) proved a winner under Skipper James Muir with 2121 crans, taken about 58 miles from the Corton L.V. on the night of November 13/14. Skipper James Muir was previously in command last Scottish steom drifter to work out of Yar-mouth in 1956, the well-remembered Coriedalis (KY

This grand old lady was built in 1918 by John Duthie at Aberdeen with the name Dusk. It was good to see her name in the Scottish landings at Yarmouth in 1956 — she came in on October 20 with o

shot of 160 crans.
History was made at Yarmouth in 1957 when M.D.
Incentive (FR 143) returned from the Smith's Knoli grounds with a live herring wimming in a barrel on her

Incentive's crew, including veterans with many years of experience of herring fishing, said they had never heard of a live herring being brought back to port. Other february with years a helffisharmen, with up to a half-century's experience, agreed. They recalled failed efforts made by fishermen both from English and Scottish ports to catch a herring and get it ashore alive.

Incentive's herring was full of life, however, and was

of life, however, and was swimming in the barrel on deck while her crew unloaded the 35 crans they had caught during the night 25 miles from Yarmouth.

The fast of bringing back the herring alive was an accident. The barrei belonged to ene of the crew and he was hoping to cure herring in it. As it was a new barrel. He had filled it with ealt water to heip seal it and it was on deck while the crew were hauling. Skipper Dan Patience said: The herring must have flown out of the net and landed in the barrel while we were

The Fragerburgh fieet supplied the Prunier Trophy winner in 1960, with M.D. Silver Harvest (FR 178) under Skipper J. Cardno moking a shot of 187‡ crans. 'The final winner of the trophy was another Fragerburgh, versuing a shot of the trophy was another Fragerburgh.

anothar Fraserburgh veasei, M.D. Teo Rose (FR 346). Undar Skipper C. Duthie in 1966, she landed a shot of Is crana. No further awards for the trophy were to be made and the present recting place of the trophy is in the Cottage Muaeum at the Sparrow's Neet, Lowestoft. It is treasured along with many other interesting relics of a bygone era.

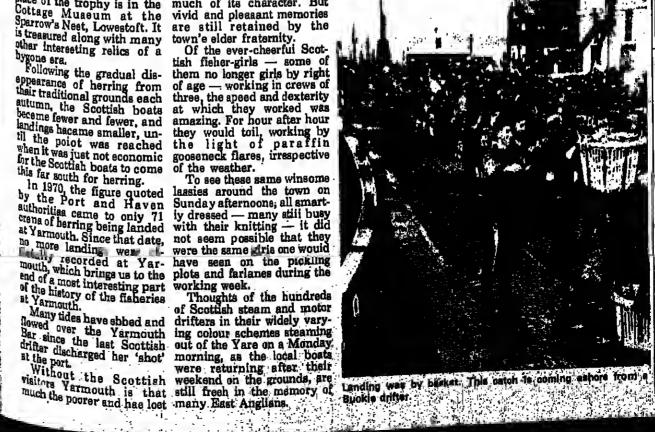
The stream of the control of the contro 28 crans. No further awarde

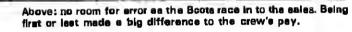


FISHING NEWS

bysone era.

Following the gradual diseppearance of herring from thair traditional grounds each autumn, the Scottish boats beceme fewer and fewer, and landings hacame smaller, unthey would toil, working by the boats of care ffin





Left: Boy Archie (BK24) was one of the sarly steam drifters— the craft has her funnal sheed of the wheelhouse! She was built



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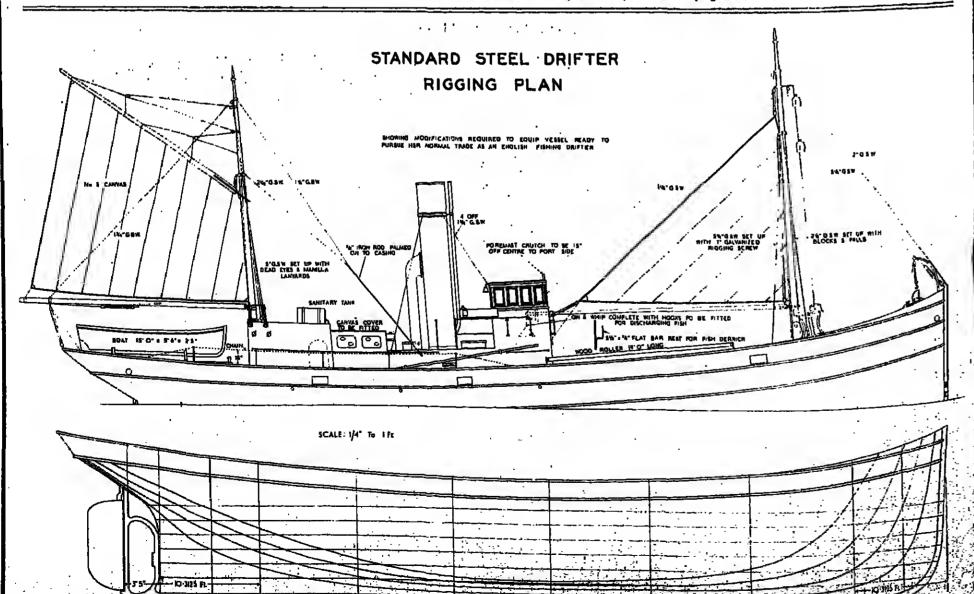
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Yarmouth

Skippers ordering drifters late in 1818 pored over those drewings. They were based on Admiralty boats and had to be modified for drifting. These blueprints were prepared at A. Hall & Co. Ltd. at Aberdeen in December 1818. Length was 88 ft., moulded breadth, 18 ft. 6 in., and depth moulded, 10 ft. A Hail-built drifter of the period is pictured on page 57.

- STEEL SCREW DRIFTER



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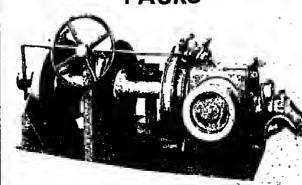
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June 9, 1978

eft the Peterhead fleet. She is the 90 ft. steel vessel Responsive (right) which wee huilt ee the purse eeiner Claben in 1968 for Skipper Jimmy Lovie. He leter came echore to take up the post of chief executive of the Scottish Fishermen's Associe-

A product of the Renfrew yard of Hugh MoLean end Sone, she leter ewitched to fly-dragging selning for white fish. In 1976 she wea bought by Skipper J. S. Nicol end sertners end wes renemed

Sinclair, but it is understood she will continue to land her catchee at either Peterheed or



# Boats on the move at



# BACK WHERE THEY

for the port and almost all these newer units are in the 15 to 90 ft. range with atest taking preference over wood.

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While the vessels were un to the der construction the United Trawiers (Grimsby) der construction the United Trawiers (Grims

ships Benvolio end Lorenzo, beught from Ficetwood by skippers Peter Ritchie end Arthur Buchan. They are pair trewiing for white lieh together and mada



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# OLDER BOATS BEST FOR STARTERS usually on the newer

boats in the Peterhead fleet, but there are older vessels still fishing successfully.

Tha few put up for sale during recent months have quickly found buyers as this older class of boat is ideal for the younger man starting out

Two young men — George Milna and Stephen Campbell — hava bought the 75 ft. Ocean Gain which is the second oldest vassel in the Peterhead registry.

Sha is Skipper Milne's first command and har new owners say that, considering her age, she is in good condi-

### Typical

Bullt by Richard Irvin and Sons at Peterhead in 1946. she is a typical example of the rather fine-lined, cruisersterned, wooden boats which

The four-man crew of Ocean Gain are (left to right): Skipper George Milne, Edmond Gilmartin

sterned, wooden boats which came from the yard in the early post war years. She has e beam of 19.3 ft.

Ocean Gain is powared by a Gardnar angine of 152 hp and equipped with a Northern for the north sea of the

Buchan and Peter Ritchie the Peterhend boot Glenugic have bought the 86 ft. steel III. The 98 ft. Illustrious is bosts Lorenzo and Benvolio. one of the largest wooden Illustrious hes been bought vessels in the Scottish fleet by Skipper George Strachan, and has a rother interesting formerly a crew mamber of history.

She was bullt in Norway during 1949 as the pure soiner Brothers Seivic and woa later bought by Shelland owners who renamed her Adollo.

June 9, 1978

June 9, 1978

She had been tiad up in Potarhead for e number of years until 1972, when the wos bought by Skipper Ritchie who gave her the name of Illustrious and fitted har out for fly-dragging seining.

ng. Hor original 260 bp Alpha propulsion engina was replac-ed by a larger Alpha unit of 500 hp and sha was fitted with a Norwinch seine net winch and Rapp power block. More recently she was re-fitted with Lossie Hydraulics ropa reele and a deck sheller.

### 'Big Five'

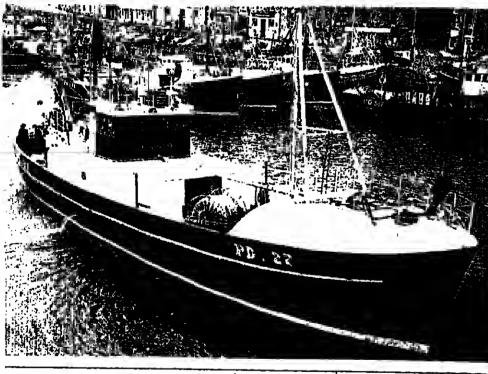
Skipper Arthur Buchan's boat Ugievale II has been sold eway from Peterhead. She hea been bought by a Burghaad partnarahlp of fishermen, in association with Arthur Duthia and Co. of Lessiamouth.

This 78 ft. wooden cruiser sterned vessel was built at the Richard Irvin yard in 1968 and, for a number of yess, she pair trawled for haringin the estinerahi of Paterhead boats which became known as

sprot poir trawls in company with the Peterhaad vessel Faithful II. Ugievale's equip-ment includes Caterpillar 426 hp engine, Norlau winchand



Right: tha 32-year-old Ocean Gain which changed hands





Left: Illustrious is seen getting reedy for her first trip under naw ownership. At 98 ft. sha is one of the biggest wooden boats in the Scottish fleet.

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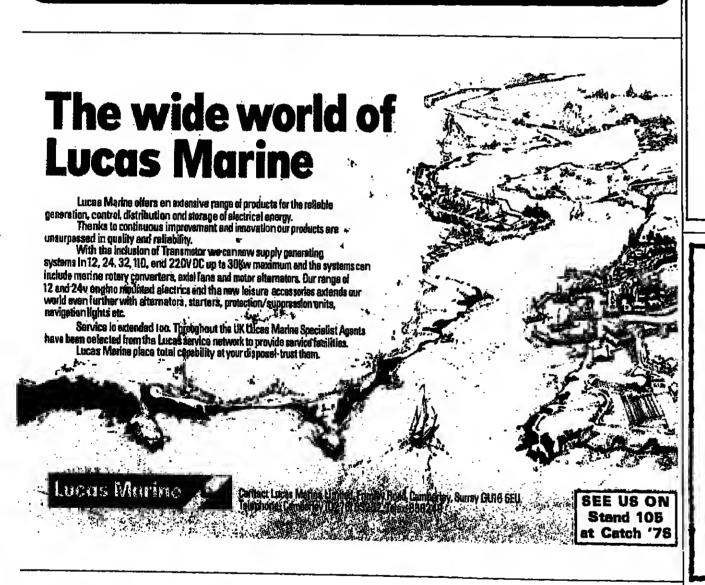
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# 'PAIR' SKIPPER BUYS winch, Brunvoil side thrustere and Simred and

Skipper George Collin and she is going on

number of vessele in Norwey and Denmark without finding exactly

without infiding executy what they wanted.

They were delighted when they were able to buy Que Vodis from the McAlinden femily of Northern Irelend, which is having a lerger vessel

Some of Skipper McAlinden's orew stayed sheard the vescel during the Cornich mackerel fishing for a few waeks to help the Peterbaad men get to gripe with the purse seining technique. Skipper Coilin former-ly fished with the 79 ft. critiser sterned, wooden-

Night: Que Vedie seen shortly the her errivel in Peterhead under new owners. She has now been painted light blue a levourite colour in the local feel - end is to work both

senweter pinnt.
After her arrivai ln
Peterhead after the close down of the south-west mackerel flahing, Quo

Weemer conar sets.

Her original chilled seawater tanks were

later fitted with a Bolsones refrigerated



THE Scottish Inshore Fishing Vessel, Design, Construction and Repair (price £2.50) is the latest in the National Maritime Museum's Maritime Monographs and Reports. An illustrated paper-back of 60 pages, it is written by practical boat-builder and dealgner Alexander Noble, who started work on his own account in 1946.

la an introduction, the bulkheeds ere con-book sdited Eric McKee structed, the hole for the describes the development of atern-tube is enlarged (a lighere vessels in Scotland, pilot-hole was bored et en Met comes a selection of the different types of boats built at Noble's yerd, with a piche and a description of each one.

The author then takes us crew of six, with cupboards crew of six, with cupboards seat lockers, table, stove and contraction of a 55ft. boat, adjacent gelley. The focial larging with the initial discussion between designer and the class of the class then the eesier to clean then the

In this like type of boat, tongue-and-groove plenking suppment, mode of fielding, namber in crew end intruments required ere is accommodate. The neture and number of instruments determines the size of the shelhouse, and the chenge in size of wheelhouse to accommodate the various intruments now in use is mentioned. Then comes the lofting process in all its details, blowed by the construction when the frames to make the best of the allotted timber; it is stressed, especially in e boat working sway from ber home port.

Forests

Mr. Noble says: "If man is looking after his forests, there need never be any shortage of timber to this or any other country which uses it for boat-building".

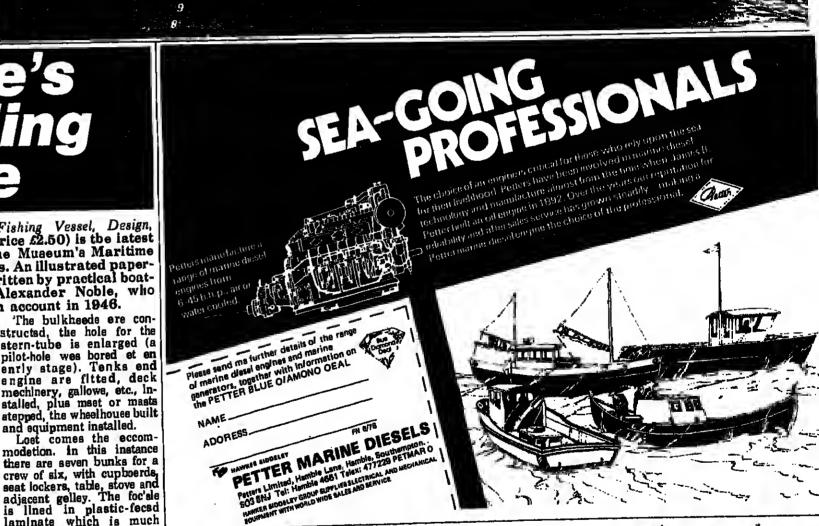
A finel and the table allotted timber; it is stressed, especially in e boat working sway from ber home port.

Forests

Mr. Noble seays: "If man is is atreased, especially in e boat working sway from ber home port.

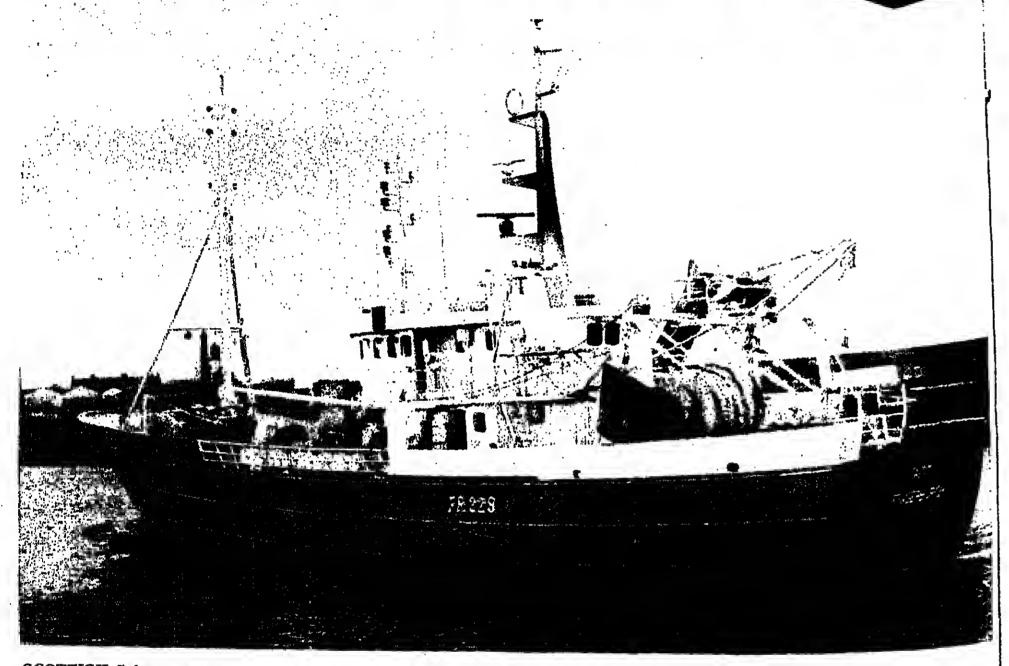
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fewer boetyards.





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SCOTTISH fishermen are demonstrating their confidence in the future with massive investment in new vessels despite the uncertainties facing the fishing industry. Among these go-ahead men are the Tait family of Fraserburgh who have had two new purse seiners costing some £2½m, built in Continental shipyards this

Whet is even more remarkable is the fact that the Talts have built the vessels without financial help from Government sources. The first of

of the M.F.V. TAITS and hope she will be a "lucky ship"

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delivered in April from the Norwegian yard of Kermoy Mek. Verksted of Kopervik. She is now fishing under Skipper An-drew Tait. His brother, William, will take oommend of the second purser nearing comple-tion at the Msaskant shipyard, Holland.

Third Tait brother, Robert, is now in charge of the family's other purser, the 135 ft. Chris Andra built by Kar-

moy in 1975.

Now the three brothers are to work with these larger boats, their three previous commands — Conquest, Challenge end Comrade — have all been sold to other. Scottish owners.





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reasonable agreement with ita EEC partners, he was not too oncerned about the future.

dra which, at the time of her delivory in 1975, was the largest and most sophisticated vessel in the British pures seine fleet.



frigerated seawater system.



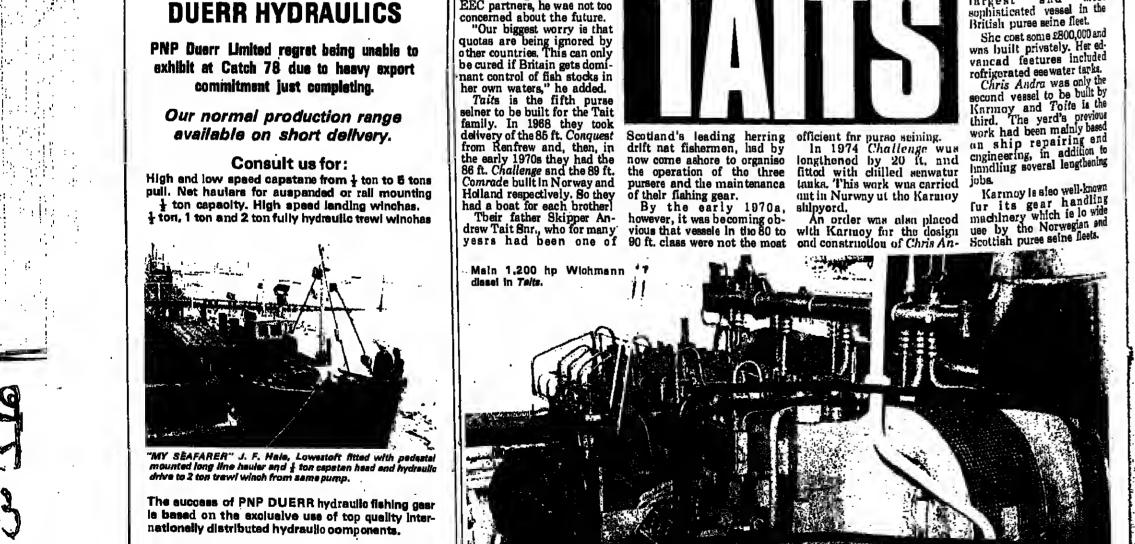
Abovs: the new purser-trawler seen from the harbour control tower at Peterhaed.

Left: Talts at Peterhaad during e snowetorm as she mada ready for the finel leg of har delivery trip in April.

Toits has been wholly designed and built by Karmey and In general design, equipment and layout is broadly similar to Chris Andra. She is slightly longer, with an overall length of 140

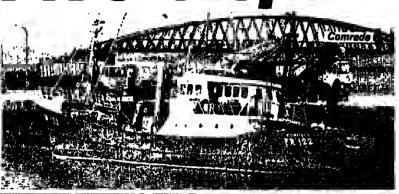
Six RSW tanks are carried up to shelterdsck level to giva





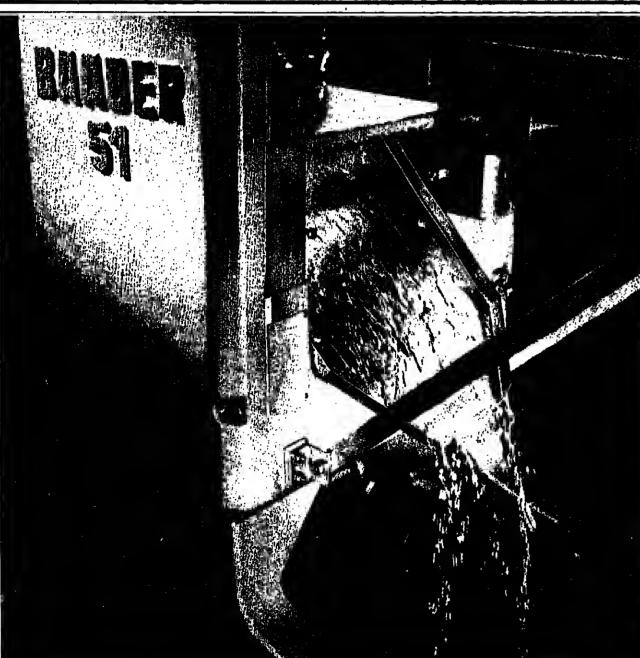
From page 71

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150 fillets to be skinned per minute. The skin is pulled off without lose of meal, leaving the elivar gleze on the illiet. The extreme noiseless operation is due to a minimum of moving perts. Therefore the splashing of water is louder then the running sound of the machina, Expariencae of several de cades end the most modern techniques and materials are combined in the SAADER 51. You will get more than just a new machine from us. Please address your enquiries to: CATCH OF About 78

A herbour generating set is housed at the forward end of the vessel, below the main deck. This consists of a Lister HRW4A diesel engine giving 43 hp at 1,500 rpm driving a Newage Stamford 34 kVA 200 V, three-phase, 50 Hz elternator. Some 80-tons of fuel oil are

Some 80-tons of fuel oil are contried in the stern end in wing tanke in the engine rnom. Fresh water is carried in the double bottom below the RSW tanks.

Three 52-ton capacity scawnter beliset tanks are fitted in the fore end of the vessel and can be filled at comptied with an Allweller electrically-driven pump fitted in the herbour generator room.

generator room.

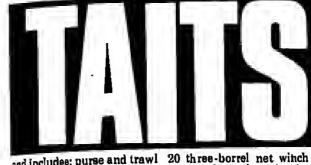
The six how tanks are served by a Kvaerner type 92/62E refrigeration system designed to cool 78-tons of senwater from 15 deg. C. dnwn to 0 deg. C. in four bours. hours. Two Hall Thermotenk

electrically-driven compressors ere fitted et the fore end of the mein deck and weter is circulated through the tanks ny Aliweiler electricallyriven pumps housed in the Below: the Triplex net winsh from P. Bjorshol Mek. Verksted The RSW tanks are in

of Norway is fitted to starboard sulated with fosmed of the deckhouse. The three-barrel unit is the model 803polyurethane from Jotun s/s and are fitted with steel hatches. An Autronice indientor monitors the temperature of the water in

Below right: Karmoy 14in, fish the tenks.

pump and fish and water Most of the deck machinery is from Kermoy



Located on the port eida forward, the model 116-246 combined puree-trewl winch carries two drums for trawl werp, two for puree wire and is also fitted with the decimal thousands in the fitted with the decimal thousands in the fitted with the fitted with

The winch is driven from a boom swinger and lifter are hydraulic power pack at the used to work the main fore and of the main engine derrick.

sad includes: purse and trawl 20 three-borrel net winch is winch; endwire winch; net mounted starboard of the drum; net sounder winch; deckhouse. This is used in association with two TRH70 trensport rollers which direct thouse in use into its own bin.

fore and of the main engine and the spooling gear can be derick.

Deck layout end equipment enables the boat to go to powered Anderson Odegaard pump fitted in the RSW compressor room.

Fitted to starboard of the deckhouse, the model 116 236A and with the weds within in the weds of the net minding handling in the weds of the net minding handling in the weds of the net management for unloading fish from the tanks and for manoeuvring the fish pump.

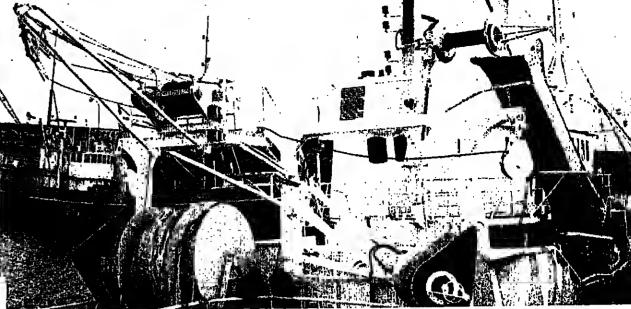
The 14 in, fish pump is

Deck layout end equipment and include two EQ echo sounders, It makes use of sounders, It makes use of sounders. It makes use of signals from the net in the weter and include two EQ echo sounders, It makes use of signals from the net is indicated on the sounders. It mekes use of signals from the net is indicated on the sounders. It mekes use of signals from the net is indicated on the sounders. It mekes use of signals from the net is indicated on the sounders. It mekes use of signals from the net is indicated on the sounders. It mekes use of signals from the net is indicated on the sounders. It mekes use of signals from the net is indicated on the sounders. It mekes use of signals from the net is indicated on the sounders. It mekes use of signals from the net is indicated on the sounders. It mekes use of signals from the net is indicated on the sounders. It mekes use of signals from the net is indicated on the echogram as two parallel lines signals from the net is indicated on the seal of one of the ret is indicated on the sounders. It mekes use of signals from the net is indicated on the sounders. It mekes use of signals from the net is indicated on the sounders. It mekes use of signals from the net is indicated on the echogram as two parallel lines of the chogram as two parallel lines of the seal equipment signals from the net in the weds of the seal of one of the net in the weds of the sounders. It mekes use of signals from the seal equipment signals from the seal equipment signals from the net is indicated on the chogram as two parallel line

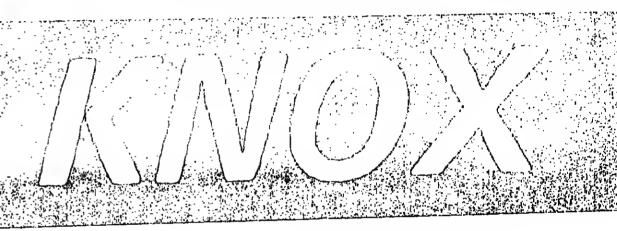
the fish pump.

The 14 in. fish pump is supplied with fish and water separetor ee well es hoses for pumping the catch from the net into the tanks.

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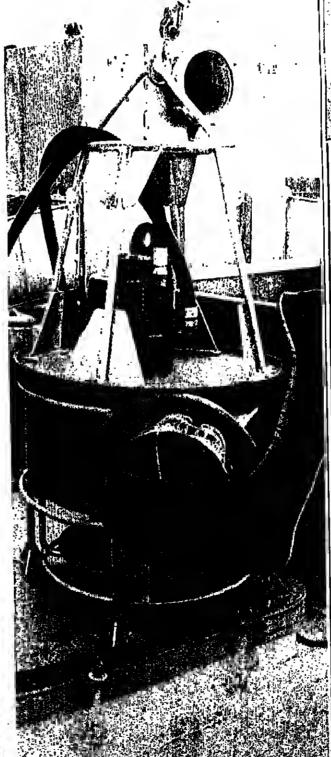
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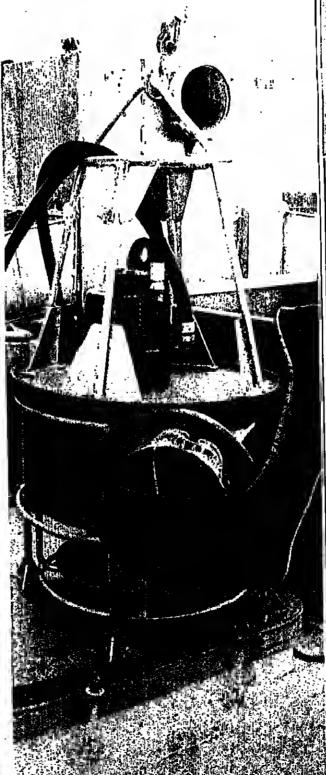
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Balow: View looking forward along Taits' shaltar dack, showing the Karmoy combined pures seine and trawi winch The anchor windless is fitted

different places.

Changes in tension indicate the amount of fleh in the cod and end prevents overloading of the trowl. This is of per-ticular value in the blue whiting fishery where heute can be so huge that nets often

Sensors are connected by cable to the net transducer housing. Cetch information is transferred to the vessel via the net transducer cable and is Indicated on the EQ

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Simrad flat finding instruments
In the wheelhouse of Taits.
Information from the Elmrad
Cstoh Indicator is displayed on
the EQ accurder ibottom
cantrel.

end a four-berth cebin are
strenged below the mein deck
aft.

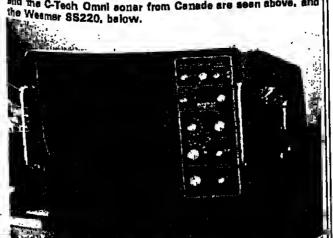
pilot; Tenfjord H-330 160
ESG eteering geer; Furuno
FRM64 end FRS 24 redars
and J. G. Krohn compees. A
Hansen helmsman's cheir is
fitted in the wheelhouse end a
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heeting. Domestic hot weter
is provided from a Pyro oilfired boiler fitted in the
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Taits hes not hed a very
successful time in her fishing
operations so far. Her first
trips to St. Kildo were epent
trawling for blue whiting.
Lack of power to catch this
fest moving fish proved a
problem.

preparation for the couth

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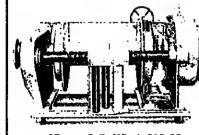


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# WAID MORGAN NEWS

# Government subsidy for self-employed persons

SINCE the eucceesful involvement of Waid Morgan in. volved in this field, commented "To the self-employed reducing the pensions age for fishermen to age 55 all this subsidy of up to 83p in the £ is one which muet not out efforts have been made to ensure that "the industry is made ewers of the various optione". Open to share retirement, such pension schemes offer the invector en

Gordon Rae, the Waid Morgan Director mainly in-

unequalled opportunity as the cash in a pension fund grows without payment of any form of Income Tax or Cepital Gains Tax."



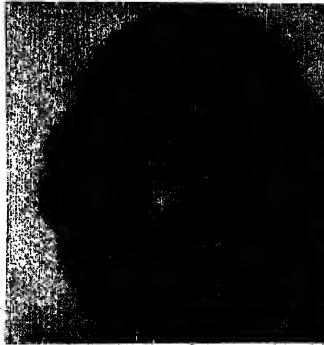
## Anderson and Strechan lead the FEOGA fight

WAID MORGAN Directors Ian Anderson (Pittenweem) and Alex Strachan (Petsrhead) are still completing FEOGA applications for fishermen and processore. Having a combined total of 98 applications with a total project value of £31 millions to their credit, their claim that their experience in the FEOGA market ie unsurpassed can hardly be disputed.

Frequent visits to Brueeele have broadened knowledge on thie subject which has caused many heartaches as well as joye since our entry into the Common Market. It is reckoned that there will be a new FEOGA fund when the Common Fisheries Policy is sventually recolved and Waid Morgan are making sure

sventually recoived and Waid Morgan are making sure that they have the facts. In the meantime, pressure is being applied in an attempt to have facilitiee available for applicants caught between the two schemes.





Alex Strachan

## Fisherman's Health Scheme increases benefits

AS A RESULT of terms re-negotiated by Waid Morgan on behaif of the Working Fishing Owners Benefit Group, members can now increase their health insurance

cover to £3,000 per annum.

The scheme which was introduced in 1973 has paid out a total of £64,000 in claims from long term illness or accident New terms for the scheme, the only one of its kind in the fishing industry, are as

Cover £3,000 per nnnum to ags 65 (after waiting psriod of 13 weeks). Membership cost £62 per annum. Reduced cover of £2,000 per annum on

same terms as above. Membership cost £42 per annum.

## DIAMOND **NEWS**

SUNDAY TIMES gets It wrong!

CONTRARY to the imprea-sion given in the Sunday Times article of March 12th, 1978, Waid Morgan was not simply set up to seil diamonds to fishermsn. Various "facts" in that article-were complete fabrications.

Howavsr, Waid Morgan have been studying the advisability of diamonds as an investment medium. As a result of this invastigation, which have included visits to diamond dealers, exchangers, and manufacturars in London dam, they have concluded investment diamonda can be recommended as a good medium to long term investment for a maximum of ten to fifteen per cant of a person's assets provided:

The stone has been bought as close as possible to the central market (De Beera Central Selling Organisation).

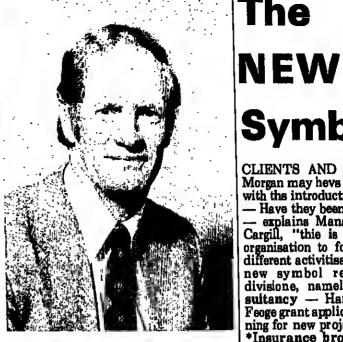
2. That the diamond is cer-tified both by the diamond dealer and an independent in-stitute.

Taking these points into consideration they feel the amateur investor who takes professional advice oan achieve healthy returns from



DR. HEALEY'S WEALTH CURE





George Duffus and Jim Linnes

## STUDY TOURS

Next on the list of what have proved to be enjoyable as well as rewarding trips is Boston U.S.A. to coincide with Fish Expo '78. (October 1978). The organisers of

Container News

SEVERAL clients of Wald Morgan purchased con-tainers from Transcontainer Services, London before

They seel that the concept of container leasing le excellent and should afford the investor a good return with what in effect lea form of business diversification. Initially the main advantage of this exercise is that capital allows the content of the co

capital sllowancee from the containers be offeet against

However, all Indications are that this may be the case but tax inspectors have been querying this claim

As far as Wald Morgan is concerned they suggested to Transcontainer Services that no further investment could be advised within the fishing industry until such time as this point has been clarified.

SINCE the unsuccessful attempt to send a study tour to the less than successful Marseille Exhibitine their tours manager predicts tion in 1975, Waid Morgan has progressed in this field having been successfully involved in tours to Japan, Canada, Seattle, Florida and Puerto Rico.

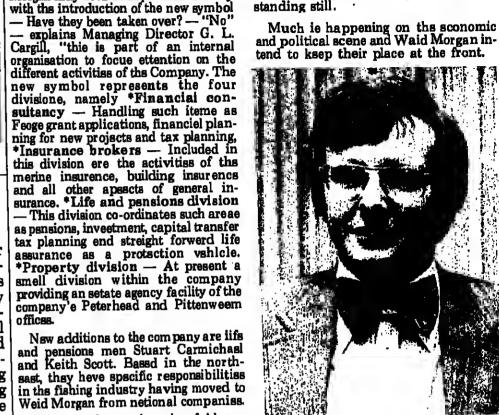
The their tours manager predicts a further success to this highly popular exhibition which is coordinated by the National Fishermen. Other tours planned for the next eighteen months inordinated by the National Fishermen. Other tours planned for the next eighteen months include the Far East (Japan, Hong Kong, and Bangkok) — Spring 1979 and Fish Expo '79 at Seattle (taking in the fishing industry in

and all other apsects of general insurance. Life and pansions division - This division co-ordinates such areae as pensions, investment, capital transfer tax planning end streight forwerd life assurance as a protection vshlcle.

\*Property division — At present a smell division within the company providing an setate agency facility of the company'e Peterhead and Pittenweem New additions to the company are lifs and pensions men Stuart Carmichasi and Keith Scott. Bassd in the northsast, they have specific responsibilities in the fishing industry having moved to Weid Morgan from netional companiss. Where do they go from here? Always on the look out for new ideas to reduce

clients tax liabilities or improve invest-CLIENTS AND FRIENDS of Waid ment returns, Waid Morgan will not be standing still.

> Much ie happening on the sconomic and political scene and Waid Morgan intend to keep their place at the front.



Gavin Cargill, Managing Director

Are you interested in any of the services of

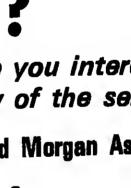
Waid Morgan Associetes?

Yes?

## **INSURE YOUR BOAT** WITH WAID **MORGAN**

IN RECENT MONTHS Waid Morgan have been expanding their activities in the marine market. In an effort to increase active competition Waid Morgan have been exploring new markets through Lloyds. George Duffus the Director mainly involved in this field stated, "Insurance premiums for the modern fishing vessel reached astronomic levels and it is our aim to ensure that the vessel owners gets the best poseible service at the lowest rate."

:	Waid More 8 Panmure Dundee, S	Street,	clates Ltd.,		•	Date
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then fill in and post this coupon.

CATCH '78 PREVIEW



M. G. Duff Marine Ltd.
Working in the field of cathodic protection for small and intermediate size vessels, this firm will be displeying its range of sacrificial anodes suitable for all types of construction.

Lucee Merine Ltd. The full capability of Luces Marine engine-mounted electric and eccessories will be exhibited on this stand.

Francis Searchlights will be featuring its range of construction.

suitable for all types of construction.

New products include shoft and rudder button annoles for the small vessels, chendlery pecks of enodes plus the new Automatic Impressed Current System, currently heing installed on vessels in many parts of the world.

Also feetured is the Servi renge of hydraulic steering geer with working units of hand and power assisted gears suitable for fishing vessels.

Francis Searchlights will be featuring its renge of eacturing its renge of calculate searchlight in the cluding the assymitation during the may introduced high voltage compact searchlight, the M35/M36, and a new merine floodlight. Also displayed on the stand will be a full list of the newly appointed Lucas Marine appointed for Electronic search light in the many marine floodlight. Also displayed on the stand will be a full list of the newly appointed Lucas Marine appointed the UK and Ireland which will be providing e sales service and distribution network for the firm's products.

white Fish Authority. This etond's theme will be developing akills for temorrow's industry. It will illustrate the WFA's wide range of netivities including: development of improved fishing goor and techniques; training fishermen end shore personnel; exploitation of under-utilised resnurces; fish ferming; Kingfisher charts; performenca triels; operations research; grant and loan; publicity and market development. The WFA's consultancy services will also be feetured. WFA steff will be on hand end orders will also be teken for Kingfisher cherts.

Ashton Containers will feature ths company's Viking solled board fish boxes. The compony is elso exhibiting and corrugated fibreboard fish boxes. The compony is elso exhibiting actual that wax-saturated corrugated fibreboard packaging.

Viking waterproof and non-coated fibreboard. Fish boxes ore available in sizes varying from i-stone to three-stone and over.

Ashton's new ACLsim meterial is extra strong and weather resistant, making it porticularly suitable for shellfish and beavy fish. An adventage of ACLaim is that it combines bigh, stacking the foature ths company's Viking solled board fish boxes. The compony is elso exhibiting and corrugated fibreboard fish boxes. The compony is elso exhibiting actual that wax-saturated corrugated fibreboard fish boxes are made of from polythylene-coated fibreboard. Fish boxes ore nearly light and over.

Ashton's new ACLsim meterial is extra strong and weather resistant, making it porticularly suitable for shellfish and beavy fish. An adventage of ACLaim is that it combines bigh, stacking the compony is elso exhibiting actual that corrugated fibreboard fish boxes. The compony is elso exhibiting actual that corrugated fibreboard fish boxes. The compony is elso exhibiting actual that corrugated fibreboard fish boxes are medo from polythylene-coated fibreboard. Fish boxes or envallable in sizes yearling from i-stone to three-stone and over.

Ashton's new ACLsim meterial is extra strong and weather resistant, making it combines of actual

Transatlantic Fishing
Systema Ltd. Suppliers of nationwide network of sents and European concassionaires of the North caesionaires of the North caesionaires of the North caesionaires of unprinted, longing bores, caesionaires of unprinted or unprinted, longing bores, caesionaires of the North caesionaires of the North

of products.

On show will be constituent parts of the equipment — UK fishing ports.

proven a great success with the fishing community.

Ashton Containers will

the tirm also hopes to show "the revolutionery new echo sounder diaplay technique which utilises a TV-type which utilises a TV-type which utilises a TV-type which utilises a TV-type with send logic chip memory direction to displey targets, thus making the electrogram paper display — with all its attendant problems of mechanical wear pener costs. mechanical wear, peper coets, etc.—obsolete." These unita to made by the US firm of Vexilar and in the UK by Incater Associates Ltd.

tre made by the US firm of Vailar and in the UK by Incaster Associates Ltd.

The 'Y' Drive will be expected to two 290 ship TAMD120A diesels to provide 580 shp.

Other propulation enginee on ahow are the 30 ehp MD17C heavy-duty diesel, the 106 shp MD70B, the 195 shp TMD100A and the 260 shp TMD120A.

The 'Y' Drive will be expected to two 290 shp TAMD120A diesels to provide 580 shp.

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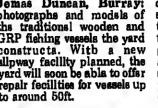
Enterprise Sheet Metai

Volvo Panta. Propulsion engines ers available with outputs between 10 end 290 shp, while euxillery sets produce from 50 to 400 hp.

Expected to be one of the main ettractions on the stand is the edvanced 'Y' Drive which hee doubled the power available from the company.

availabla from the company's engines. A unit for coupling two engines to one gearbox, this cen result in up to 560 shp driving one propeller.

The 'Y' Drive will be ex-



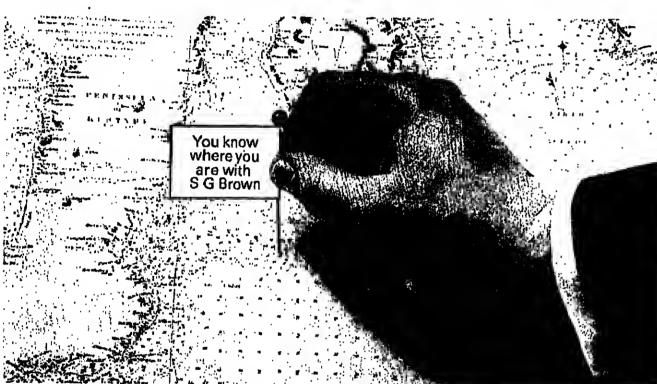
Jemas Duncan, Burray: photographs and models of the traditional wooden and GRP fishing vessels the yard constructa. With a new allpway facility planned, the yard will soon be abla to offer repair fecilities for vessels up to around 50ft.

J. W. MacKay, Stromness. This yerd will displey a 12ft. clinker-bullt ma hogeny dinghy of a standard-type currently produced by the company. Also on display will be photographs and litereture showing the traditional clloker-built fishing vessels in which the yerd specialises.

Jemas Duncan, Burray: draft of 6ft. 3in. A raisad foc'- Transmissions (Stand B690) will display tha MIT Merine diesel conversion syetam, the Twin Dlsc 514, and 510 marine gearboxes, a new type of controllable pitch propellers, Scan Auto pilot, lat Mate Steering System, and Cinkle Steering Systems. The marina geern cover e range of horsapower from 60 der, the standard 36ft. hull will slo be on displey.

Recentity delivered by the company. Also on display will be photographs and litereture showing the traditional clloker-built fishing vessels in which the yerd specialises.

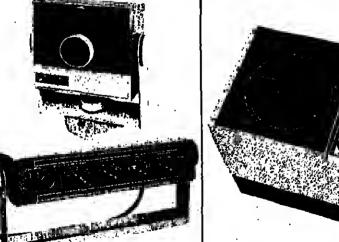




Ocean Series 060 europilot

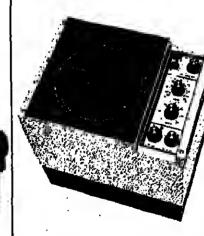
Gyro Compess Mk10

Ocean Series 060



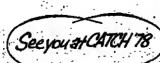
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acting hand control.



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en be used on soumpl and fish figures, etc.



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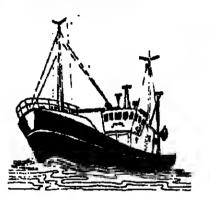


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Trade enquiries welcome and the Plot of the Market

## CATCH '78 PREVIEW

equired.
Also featured will be a 25

kW generating set. Powered by a water-cooled HRW4MA engine, this unit also incor-

poretes an air compressor

driven through an extension shaft and isolating ciutch.
Examples from the current

Lister series of water-cooled

and alr-cooled diesel engines which range from 5 to 250 bhp will be on the stand.

Catfiah Ltd. A 24ft. GRP catamaran-builed fisbing

metres high, the

design features of the well-proven JW6 renge have been ber liners, fish film, vegetable problement and all types of polythene products for packaging.

design features of the weil-proven JW6 renge have been reteined to make the JWSC6M suitable for fishing boat applications, where durability coupled with operation flexibility is

British Ropes Ltd. (Stand Boso) Steeline for mid-water and bottom trawling will be on display. This has a smaller warp, higher strength, and larger outer wires with Merblue trawi warps will

Examples of combined ropes that utilise the proper-tie inherent in both fibre and steel will also form part of the

Arthur J. Heighway Publications Ltd. Fishing News: The biggest making industry in the Brush lates. Established at boat ie the latest development from thie firm. The prototype 'Sandekipper' as it is known, has just been completed and is designed to carry one tonne of fish and gear. Aberdeen in 1913, Fishing New is currently enjoying the highest weekly circulation is its history. Special exhibition issues will be on the stand with the regular Fridey Sandskipper is almed at markets in developing countries. As a multi-purpose boat it is claimed to be "well-suited to gill netting, trap isue evallable mid-way fishing and seining, and can through the show.
Fishing News International: even tow a small trawl".

The prototype version is fitted with a 6hp Petter Also on show will be the monthly Fishing News Intermonthly Fishing News Inter-minual, now in its new lively format. Readere are in over 160 countries and smitories and overseas sub-smitories can receive copies by ilmail within days of puncation. The paper now caries up-to-date news from fishing areas throughout the

Fish Forming International: In addition the display will include copies of the quarter-ly magazine Fish Farming diveloped to serve the needs of this rapidly expanding

RA Lister & Co. Ltd. The aw Lister 250 bhp propul-son dissei engine coupled to a controllable pitch propeiler

Christian Saivesen (Fieh selling) Ltd. (C.S.S.) An interest of the property of the fishing industry it operates the Netional Box operates the Netional Box operates the Universal fish box washing machine range of the smaller unlike the Jw. In Jacob at 2,000 rpm. Although the power-to-weight ratio has of this range there are ontologically geared to the needs specially geared to the needs of the fishing industry it operates the Netional Box operates the Netio

engine plus sail. For heavier work it is envisaged that power layout consisting of a 12hp Petter twin could be mechines with capacities for cold stores. After cleaning the

up to 2,000 boxes per bour.

A "Hodi" fixed propeller nozzle designed for trawing, with an inside diam of 75in., will be on the stand. This will be displeyed in combination with a mergeness bronze halding stocks

Moha B. V. (UK) Ltd. Fish grading machinery with with a mangenese bronze capscities for up to 24-pieces Vordap fixed propeller.

per hour. Demonstrated on the stand machine capable of placing 3,500 pieces per hour into eight grades. This machine can be manuelly opereted (2 persons) or fitted with an automatic loading conveyor.

mechines with capacities for cold stores. After cleaning the boxes, C.S.S. heips customers to organise their return to

A Peterhead depot

The well-known Promac ice making mechines will be production or the stand. Following on from the Promac refrigerated seawater tank system, a dual-purpose refrigeration system for tanks end holds is being introduced. Christian Saivesen (Fieh

provides controlled boxing of vessels and Lockfast storage of

decks, winches, engineroome, 24 to 40 cm (9.5 to 16 inches)

NO BOAT IS TOO SMALL

diam nozzle type and a 56in. diam Supereton Screw. Also on dieplay will be a 1,000mm nickel aluminium bronze propeller and a 36in. diam Superston Seventy; these propellers being finished to very close limits suitable for fisherles. protection vessels and fast patroi boats.

A part-repaired propeller.

Baader Ltd. Featured from a wide range of fish processing machines will be the Baeder 156 gutting machine. This machine was designed for small white fish auch as whiting, haddock, cod, pollock, hake and, also, for mackerel in the range from 25 to 45 cm (10 to 18 in.) at a speed of 55 fish/mln. It cens the belty with a plain circular knife and removes the entrails with rotating ejectors. The gutting tools ere automatically guid-

tools ere automatically guided to hit the main blood vessel for good bleeding of the

A skinning machine (Baeder 51) filiets fish of all sizes from eil types of white fish and redfish.

Smail and medium sized fillets can be placed side by side and a throughput of up to 160 fillets/min. cen be off leaving the eilver membrane on the fillet.

The mechine is built in stainless steel for lew maintenance and long, trouble free performance.
The new Basder 121, a

ressels and Lockfast storage of holding stocks for customers.

The depot at Pointlew, in Aberdeen Harbour, provides a complete high-pressure waterblast cleaning, degreating and descaling service for fishing vessels. This includes: demonstrated. The machine fishrooms, pound and shelf boarde, gutting mechines, white fish in the range from deals winches engineroome.

bilges, huile end casings, as well as the preparation of all metel surfaces for painting.

Revetens From Mark 1.74 sparator, minced fish of top quality without discolour ation can be produced.

Perkins Englies Group Ltd. A Perkins four-cylinder 4.236 marine engine will be featured.

A part-repaired propeller, a bulkhead gland and other accessories will complete the display.

Inc. Perkina marine distributor for Scotland, Jemss Bowen and Sons Ltd. of Wester Halies Works, Murreyburn Road. Edin. burgh, also bas premises in Glasgow and Aberdeen.

> hydraulically actuated two-pitch propeller and the IMA (inside mechanically adjustable) propeller-systems capable of producing the kind of fuel economy associated with fully controllable pitch propeller systems but at much tower initial material.

> tion cost.
> The H2P is suitable for trawiers or workboats with engine power in the 350 to 900 bhp range. H2P eystems in-(high) pitch for economic free for trawiing and towing

Pitch alteration is effected from a simple switch in the wheelhouse — and cen be carried out while the tailshaft

As a complete propulsion system. Newage markets the H2P propeller together with actuator, hollow tailshalt through which passes the

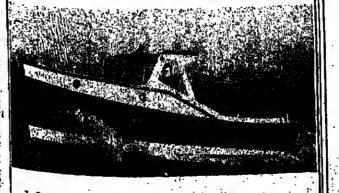
reverse reduction gearbox.
With suitable twin reverse reduction gears, the H2P also enables two engines of low har apparent to be commarted to

a single propeller shaft.
The IMA system is a simplified version of the twopitch systam, using the same propelier and hollow tailshaft assembly, but fitted with a mechanical actuator.

For open running or nozzie operation, the Italy system can be used with any type of

reverse reduction gear. A major design benefit aimed with either H2P or IMA system is that it is possi of vessels, normally associated with "optimum

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L.O.A. — 23ft
Beam — 9ft 6ins
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For work or pleasure.

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reals for my vessel.

Her specifications are:

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LENGTH .....

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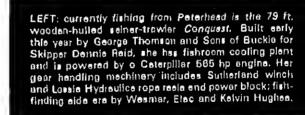


LEFT: The solid looking 74 ft. wooden-hulled trawler Altaire was delivered from the Sendheven yard of J. and G. Forbes and Co. In Fabruary to a partnership of seven Shatlanders, headed by Skipper John Peter Duncan of Ollebarry. She is powered by a Kelvin 495 hp angine.

RIGHT: Herd end Mackenzia of Buckle built St. Kilda, an 80 ft. ateal seiner-trawier for Skipper John Thomson of Lossiemouth who fishes from the Scottish west coest port of Lochinver. Her Fishing Hydreulics reels are of a new design to work verying lengthe of rope off the west coest — end she is elso first with Decce's ISIS engina alerm monitoring system.

BELOW LEFT: Merlewood sets out from Aberdeen on e wintry dey. The 75 ft. seiner-trewier was delivered by the Campbeltown Shipperd in Fabruary for Skipper John Reid and the Don Fishing Co. A Garman Deutz engine of 480 hp powers her end deck mechinery includes Northern Tool end Geer winch, Fishing Hydraulics rope reels end Repp power block.

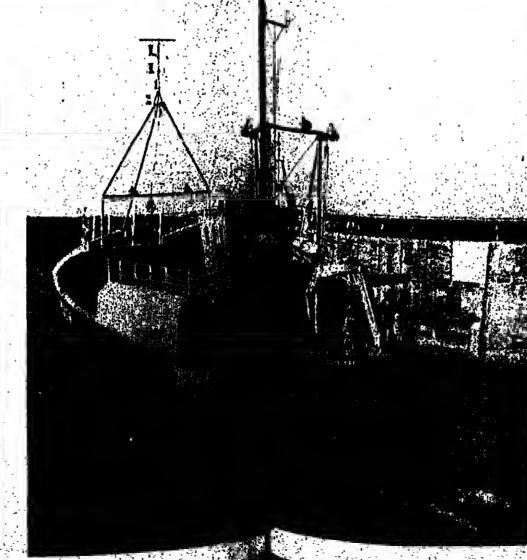




BELOW: James Nobia (Freeerburgh) completed Devotion for two Peterheed brothers, Alexander and James Strechan. The 74-footer, which has been trawling for shrimps from her home port during the less few weeks, is the first vessel in the UK fitted with a new sonar system from Furuno. Other aquipment on the wooden boat Includes Kelvin 600 hp engine. Northern Tool and Gear winch, plus Lossis Hydraulics power block.



The Sal





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## CO-OPS are a way of increasing fishermen's real incomes. The movement claims that more and more fishermen are now becoming aware of the advantages of group-ing together. Three new sociatias bave

been set up during the past few months alona.

been set up during the past count".

few months alona.

For a number of years the co-op movement was stronget on the Scottish east coast. Now there is terrific interest among west coast fishermen and those on the Scottish islands where co-ops have been set up on the stronget of the stronget of the scottish islands where co-ops have been set up on the stronget of t co-ops have been set up on the Hebridean islands of Lewie,

Uist and Barra.
There were 30 skipper-members at the time of its inauguration early this year Fishermen's Co-operatives Ltd. will initially confine fishing gear saias. It has plane for further developments.

A member of the board of

directors told Fishing News
that poor queyside prices and
tha high cost of fishing gear
had prompted local
On the east coast the five-

Aithough this eociety will also deal with chandlery sales at present, it eventueily plens to move into shellfish processing and marketing.
Fishing from the island of

Barra has seen a revival in reand the Stornoway cent years and locel fisharmen have set up a co-op salling chandlery under the name of Barre and Vatersay Fisharman's Co-operative Ltd. It also hopes to spread interests much wider to in-

co-op had a turnover of M million in 1977. It now has 28 membar vessels, including seven which belong to Poterhead.

Poterhead.

As the majority of masses vessels land their catches at Peterhead, a chandlery shows opened there in 1976 and n fuel oil depot was set up several months later.

Early this year an effice was opened to the port to handle the fishselling side of the business.

Until the end of last year catches landed at Peterhead by member vessele had been auctioned by the Don Fishing Co., but incresslop membership mede it essential

A spokesman for the Buckia co-op told Fishing News: "Wa went to give the Buckie organisation. "With the increase in the Peterbea membership, 25 per cent of the board of directors belong to that port and 25 per cent of our board meetings are held

with the general expension of fishing co-ops in Scotland, the Fishing Co-operatives Trading (Scotland) Ltd.

go up to £1; million.

The federation was formed in 1975 to enable fishing coope to buy in bulk at reduced

nats, ropes, oil and protective

to et Peterhead, is also a creased share of the mast an-member of FCTS, although and, to do this, wa must an-sure that we stock quesity Grempien, whose chair-

The FCTS moved its

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# June 9, 1978 men swing to co-ops

Alan R. Caird, manager of the Arbroath Fleherman's Association Ltd., le chairmen of Fishing Co-operativas Trading (Sootland) Ltd. He says

"Wa're looking for better wanting to run their own based interests, the Buckie

that poor queyside prices and tha high cost of fishing gear that poor prices and the high cost of fishing gear that prompted be a set of fishing gear that prices for fish at Stornoway prices for fish at Stornoway Founded in 1973 by a group great that the fisherman control their nwn shore"Wa're looking for better wanting to run their own beard interests the Buckie

there".

He said the co-op is now able to supply a comprehensive agency service for one mbars through the Peterhead office, in addition to supplying oil, chandlery and fish boxes.

It is possible that the co-op may also set up in Fraserhurgh et a fater dete, although there are no compress belonging to the

niembers belonging to that

aleo easing an increase businass. Turnover in 1977 was just short of £1 million and this year it is expected to

initially the group designation in the sundry items such as rubbar gloves, oilskins and boots but, today, it can supply ail chandlery including the supply air chandlery including the supply air chandlery including the supply is a supply to the supply in the supply in the supply in the supply is a supply to the supply in th

clothing.

It offers a range of its ewn branded goods including test coffee, bilge wash, detergents and ollekins which carry the FCTS motif.

Membership of the sesociation has grown from seven seciation in 1975 to 21 st pre-including

LIMITED

man is well known skipper, chandiary only. Co-operation spened e chendlery shop at tend to participation in instemediate last year to sell surance, fish processing, fish selling, ice manufacture, accountancy particles and so washing up liquids. sant including organisations in the life of Man and Northern Ireland. One of the newer com-penies joining FCTS is the

beadquarters to new premises it Leith Docks in January.
Suppliers fraquently offar perchase in large quantities to lask a function of the FCTS can be considered to the constant of the FCTS can be considered to the constant of the FCTS can be considered to the constant of the Fishing News that there is the constant of the FCTS can be considered to the constant of the FCTS can be considered to the constant of the FCTS can be considered to the constant of the FCTS can be considered to the constant of the FCTS can be considered to the constant of the FCTS can be considered to the constant of the FCTS can be considered to the constant of the FCTS can be considered to the constant of the FCTS can be considered to the following constant of the FCTS can be considered to the following constant of the FCTS can be considered to the following constant of the FCTS can be considered to the following constant of the FCTS can be considered to the following constant of the FCTS can be considered to the following constant of the FCTS can be considered to the following constant of the FCTS can be considered to the following constant of the FCTS can be considered to the following constant of the FCTS can be considered to the following constant of the FCTS can be considered to the following constant of the FCTS can be considered to the following constant of the FCTS can be considered to the following constant of the FCTS can be considered to the following constant of the Purchase in large quantitiae, are anormous banefits to be to lack of storage space at the gained from membership of office.

The new fish-selling agency of Grampien Sea Fishing Ltd. which handles 11 vessels bas-

nove), part of the Buckle group. Argonaut IV (right),

the 80 ft. seiner owned by Davis Smith, works through Aberdeen inshors Fish Sailing Co. Below: fish from a member vessal

Co. Ltd. formed last year by a halp to achieve this by reduc-

Ali the eklppars are by the green pound and the shareholders in the new comCommon Fisherias Policy. It may, including Scotland's is only by co-operating closely together that we can survive smith of American Davis

We live in days bedevilled

and to prove to all that there is indeed strength in unity.

"My ambition is to sae lishermen's co-ops get an increased share of the market and to do this we must en-

sure that we stock quelity goods at realistic prices.

"However, we must not

direct to Leith Docks for sember societies.

A commodity panel, comfishermen a voice in Europe tonnel from a number of that to organise the selling to discuss products and speaking to Fishing News tesently about the sime of the selling the discussion of the industry was all work with the selling to Fishing News the secretary habout the sime of the secretary secretary in is to improve the real in with their purchasing.

offices of the Scottish description of the FCTS — perticularly with politics and aconomics now affecting the fishing industry so sending.

The new premises at 21 docks, Edinburgh made now affecting the fishing industry so sending.

The new premises at 21 docks, Edinburgh, comprises face of the British fishing industry but none more, I smaller rooms for offices. Would suggest, than our antry into the EEC.

Together the fishing industry but none more, I would suggest, than our antry into the EEC.

"Producer nrganisations had to be set up to protect our markating. The Federation of Fishermen's Co-q erativae to the politics and aconomics now affecting the fishing industry so sending.

He said: "Many things can claim to have changed the face of the British fishing industry but none more, I would suggest, than our antry into the EEC.

"Producer nrganisations had to be set up to protect our markating. The Federation of Fishermen's Co-q erativae to the politics and aconomics now affecting the fishing industry so sended."

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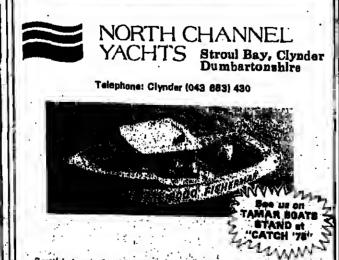
"Producer nrganisation of Fishermen's Co-q erativae the fishing industry but none more, I would suggest, than our antry into the EEC.

"Producer nrganisation of Fishermen's Co-q erativae the fishing industry but none more, I would suggest, than our antry into the EEC.

"Producer nrganisation of Fishermen's Co-q erativae the fishing industry but none more, I would suggest, the fishing industry but none more, I would suggest, the fishing industry but none more, I would suggest the fishing industry but none more, I would suggest the fishing industry but none more, I would suggest the fishing industry but none more, I would suggest the fishing industry but none more, I would suggest the fishing industry but none more, I would suggest the fishing industry but none more, I would suggest the fishing industry but none more, I would suggest the fishing industry

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X FIDELIS II FR. 319

left: her Lossio Hydraulica rope atoraga raels. The Mastra scine and trawl winch, hidden by the reels, is fitted below

plow: another Lossie product aboard Fidalis // is he

eaver block, it is hung on a single-reach detrick aft of the

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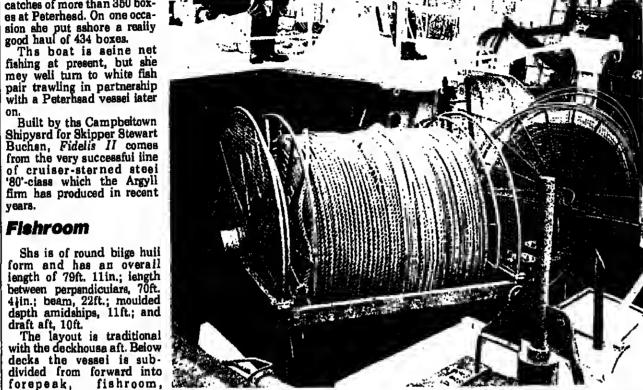
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## seiner-trawler Fidelis II has made a very promising start to her At a time when many seine netters are having a rather lean time in the North Sea, she has landed some paying catches of more than 350 box-



Fishroom

She is of round bilge hull form and has an overail iength of 79ft. 11in.; iength between perpendiculars, 70ft. 4 in.; beam, 22ft.; moulded dspth amidships, 11ft.; and draft aft, 10ft.

es at Peterhesd. On one occa-

The boat is seine net

The layout is traditional with the deckhouse aft. Below decks the vessei is subdivided from forward into fishroom, forepeak, ngineroom and crew's cabin. Wing tanks in the

engineroom carry 3,200 gallone of fuel oil and there is a daily service fuel tank of

300 gallon cepacity. Soma 400 galions of fresh

gailona of hydraulic oii.
The fishroom, with a capecity of 135 cu. m., ie in-suleted with foam faced aluminium chest and ic fitted with aiuminium posts and redwood pond boards. A Northern Tooi and Gear 'Mastra' hydraulic combina-

tion seine and trawi winch is ocated below the whelebock, the trawl druma lying in a fore-aft position at the fore eide of the seine barreis.

The two-drum set of eeine

rope storage roeia end the power block, come from the Lossie Hydraulic Co.
Controls for the roele are

arranged in the wheelhouse and the power binck is hung on a single-reoch derrick aft of the deckhouse. Two fish washing troughe from Simpson of Thurso are fitted eneath the deck shelter.

For use when trawling, the after towing blocks are hung from stout steel arms projecting from the after corners o the deckhouse. Another gailows post is fitted at the starboard bow.

#### Monitor

He decksbelter, foremast and the lending darrick ere of siuminium and the A-frama

siuminium and the A-frama seins derricks are fitted on the deckbouse top.

Fidelis II ls powered by a Mirriese Biackstone type ESL6MGR air-starting engine which develops 636 bhp at 760 rpm. It drives a Bruntons four-biads, 70in. diameter, manganese bronze, fixed-pitch propeliar through a Lister Biackstone gearbox of 2.6:1, reduction ratio. A Gent fault monitor was supplied with the engine.

A 24N Transmotor generator, a 3in. Desmi bilge end general service pump and the eteering gear pump are belt-driven from the after end of the main engine, whilst another 24N. Transmotor generator, and the hydraulic braking pump for the rope generator and the hydraulic braking pump for the rope.

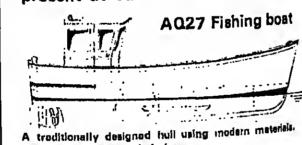
wster are carried below the net store, forward, and other tenks aboard Fidelis II hold 90 galions of lube oil and 50 gallons of hydraulic oil.

reels are driven by belts from (Salss) Ltd. supplied the suxtine fore end.

The rope raci braking illiary generating ast which is pump can he used to power based on a Gardner 125 hp this deck units for lishing gear



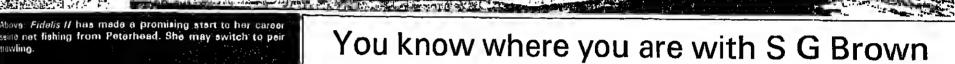
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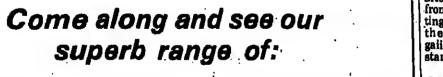
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engine running at 1,500 rpm.

A Twin Disc clutch transmits power from the fore end of thia engine to the Dowty variable delivery hydraulic pump for tha winch, also the Vickers double hydraulic pump for the rope reels and power block.

Tenfjord 115 steering gesr is coupled to the boat's autopilot, and other fittings in the wheelhouse include Bostrom Viking 300K helmsman's chair, Morse engine and winch controls, pump for the rope reels and power block.

engine, while a belt drive is warning system.
provided at the free end of the The gallay, sr generator for a 3in. Desmi deckhouse, is fitted with a bilga and general service Kempssfe oil-fired cooker pump and a Wilson air com- and an Electrolux fridge. pressor. A small Petter sux- All the external and interlisry engine is fitted to drive nal steelwork aboard the another air compressor.

Watson and Dundas Ltd. corrosion systems and paints. supplied the main switchboard and an unusus! feature of the vessel is thot she has a 24V electrical

other fittings in the engineroom aboard Fidelis II include a Pyro oil-fired boilar to supply central heating and domestic hot water.

Electronic instruments in tha whaelhouse are mainly from Marconi and include Fishgraph K type 881A hottom expansion recording echo sounder, Fishscope K CRT display unit, Wesmar SS220 sonar, Koden MD-505 Il rader with variable range msrker, Minicall II intercom system, Warden III watchkaeping receiver, 'Sailor' Ti28 R105 radio telephone and 'Sailor' RTi44 vhi redio telephone.

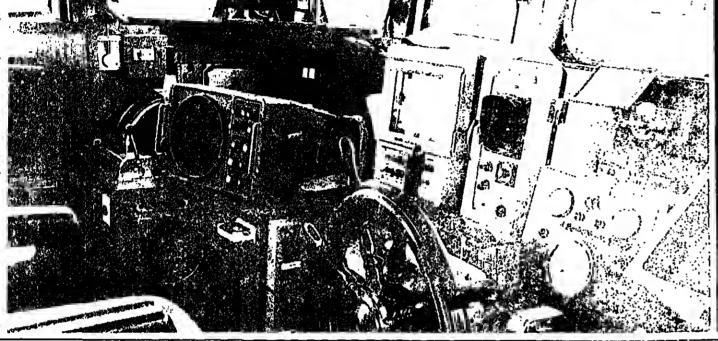
Decca equipment com prices 450 Automatic Pilot, 350T Track Plotter, and Mk.12 and Mk,21 Navigators

power block.

A 24V Transmotor
generator is driven off the
ster end of the Gardner
ster end of the Gardner
ster and bige level

"The gallay, srranged in the vescel is treated with Metalife





FISHING NEWS

Skipper Stewar

idelis II, see

(above) on a foggy day in Peterhead, has

nded soveral ver od catches unde

II, including ech been supplied by

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# International Fisheries Exhibition of 1883

HARRY BARRETT looks back to when fishing shows really put on the style\*

that we have come to

What we are talking about whet we are taking about is the biggest and most splendid fishing show on earth—
The loternational Fisheries Exhibition of 1883. The setting was the exotic Kensington Gardens in London and over one million visitors came during the four-week are.

As befitted such a grand ocrisico, Her Majesty Queen Victoria was to perform the ed har of the opportunity". However, the show did not have to go far down the Royal for a stand-in - the Prince of Wales took over.

#### Salute

A description of the scene ilthatime seys: "There stood athe salute compenies of the Queen's Wetermen, 400 epresentative fishermen from all parts of the kingdom, ostumed in their jerseys and westers, their ovaralle ond we boots, precisely as they wild be when dering the penis of the deep.

"The selmon fishers of Dumfries were white jerseye shiped and starred with hiue, sith a red ealmon em-bedered on their bosome. A deputation of fisher-women and girls from Scotland, risnce, Bolgium and folland, in their picturesque mive costumes, lent furthor mimation to the scene".

The sxhibition was olso a by financial success, showing profit of £15,243. At the firstion of the Prince of Wales, £10,000 was invested from the surplus for

This article is based on a book Flaheries of the World, Abilished in 1883 by Cassell &

NO DRAUGHTY, flap-ping tents. No warm who lost a father or husband heer in plactic cups and at sea. A further £3,000 was eght. For this was not the here today and ditions under which gooe five days later fishermen worked and the modern fiehing show problems of fish supply.

The exhibition also brought forth from the Government s promise that main zoological

There were some strong words about fish supplies and London prices of the 50 conopening ceremony "but an unfortunate accident deprival har of the apparature." selling for 3d. s pound in the new Central market while, in the West End, it was being marked-up at 18d.

> There is no doubt that the exhibition schieved much more than just the hard com-mercial sole of fishing geer. Its aim was to got the public interested in fish and fishing.

'I'wo fieh markets specially constructed on the site were duing big business portunity to buy their supper. A typical fisherms n's cottage also cunveyed tu the public something of the life-style of

and a pen'uth of bresd" The international label put

THE NAME OF THE PARTY OF

ould the DoT pass Captain Oresey's raft today. We doubt it

Chins, Spain, United States, Chile, India and Japan were among the national displays In the 'Cheap Fish put on by almost every Dinners' saloon, a meal was lishing nation of importance. on offer fur 6d: "Fourpen'uth in keeping with the grandeur of fish, a pon'uth of p'tsters, of the setting, each country

on the exhibition was certain-

v no overstatement. Russia



A MEMENTO of the 1883 exhibition turned up recently at the well known refrigeration firm of J. & E. Hali in Dartford, Kent.

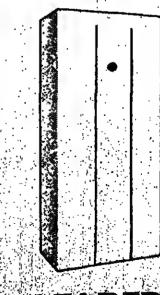
This was a medai struck for the occasion, which was provided us an exhibitor's free pass. Aithough refrigeration was hardly in vogue at the time, J. & E. Haii told Fishing News that they were the first people to look at the marine application for refrigeration.

Dim recollections of what could have been an

Dim recollections of what could have been on dispiay pointed to an early form of compressor, based on French design.



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rudimentary, wes e big feature at the exhibition. Automatic release systems for lifeboats when lowered into the sea ware being daveloped by several magufacturers, but it was a system from the firm of Sample and Ward of Blyth, Northumberland, which was said to "bear the pelm off from all competitors." Using a system of cranka and rods, the hooks which leed the boat to the davit became disengaged immediately it hit the

safety equipment, however

The "Whitby Buoy" also looked to be a great source of sustenancs to fishermen in distress. This was listed as containing flags, whietle and a fleak for etimulanta — plue seing able to support four persons in the water.

Navigation buoys on dia-play were little short of licating gasometers. The Fish was sold to vicitors gant Pintsch's Patent Gas at the fish market.
Buoy was fitted with a huge lamp, which after one charge of gas was claimed to be vieible up to six milas for three

For sheer precticelity, the patent raft invented by Capt. Cressey R. N. and featured on the stand of Steedman and Basically a bed cot, this piece of ships furniture doubledup as a liferaft claimed to be capable of keeping several people affoat in the water.

#### Frame

It was based on a rectangular open wooden frame and the bed-come-reft hod orrugated wire strung across it, except at the centre where

the raft down on one side, allowing it to cant up ond fall over the heed or shouldors.

The beam trawl wee ewaepmg ell before it in the North
Sea. At the fishing conferences, held in conjunction

The beam trawl wee ewaeption wee dosigned as a
springboord for a new policy
on fishing which would bring
Britan to dominote Europe.





eppearence of a beam trawl end net, eimed ot reducing damage to the seabed and letting small fish escape, wes received with great interest.

One such model developed by a Mr. De Ceux was described thus: "It not mere-McAllister of Glasgow must ly runs on wheels instaed of have taken some beating, dragging and crushing everything that impedes its progress, but it is provided with a number of ingenious contrivances to ascure the miniature fish escepe. Further, the net can at pleasure be disconnected from the been at the esa-bottom, shut up, and brought to the surface seperately from the latter.

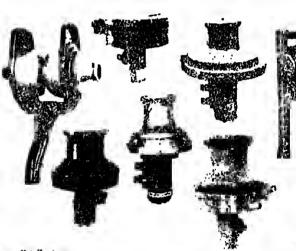
Although, on the surfece, the exhibition was full of opening was crossed with pomp end ceremony, there straps which could easily and was a good dael of political quickly be loosenad. Flotastrategy involved. Then some strategy involved. Then the was provided with a cork producing some £25m. a year in 55h the North Sea was a producing some £25m. e yeer in fish, the North Sea was a Ining on the frame.

Entry on to the roft was through the middle opening which necessitated pushing in fish, the North Sea was a goldmine to the fishing nationa of Europe. In the past giving it oway to France and Holland.

The stoging of the exhibi-

ith the exhibition, soms There is no doubt thet,

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fisheries and offshore

which added over 250,000 equare miles of sea to the waters previously patrolled under the 1964 Continental Shelf Protection Act.

Closer supervision of about foreign fishing boats are to be excluded, will impose a still

▲ The top Scottish seiner

during 1977, Argonaut

IV, a Campbeltown 80

Smith of Anstruther.

buill for Skipper David

Professor Watt, while in no way denigrating the effort put into protection duties by RN personnel, strongly citicised the equipment and facilities with which it is required to carry out this task.

This has been highlighted since the 1976 proclamation of the 200-mile UK limits which added over 250,000

Professor Watt, while in no way denigrating the effort put ficer, Scotland, has a 'Scottish Navy' of five unsolved to the search that, statime when Britain's Navy hee been sllowed to run down and when officers end devoted to this tosk sro deeperately overstretched and quite inodequate for the tesk of protecting our maritime property and resources has grown vastly in both area and difficulty in recent yeers.

As o result, the Navy's resources which can be devoted to this tosk sro deeperately overstretched and quite inodequate for the tesk of protecting our maritime property and resources has grown vastly in both area and difficulty in recent yeers.

As o result, the Navy's resources which can be devoted to this tosk sro deeperately overstretched and quite inodequate for the tesk of protecting our maritime property and resources has grown vastly in both area and difficulty in recent yeers.

Contemplating whot it is now required to do and the intervence of the Scottish Navy hee been sllowed to run down and when officers end men of all the ermed forces are the fleving the services, the tesk of protecting our maritime property and resources has grown vastly in both area and difficulty in recent yeers.

Contemplating the effort put ficer, Scotland, has a 'Scottish Navy hee been sllowed to run down and when officers end men of all the ermed forces are the fleving the services, the tesk of protecting our maritime property and resources which can be overstreamed forces are the five undown and when officers end down and the four himsock and the four himsock

lt's a

Campbeltown

Hat-Trick!

A Runner-up in the annual

Skipper Tommy Sutherland of Hopeman.

◀ In the reckoning again, the 1976 tup seiner

Kestrel, a Campbeltown

80 huilt for Skipper lan Sutherland of Hopeman.

leagne table for gross

earnings, Mary Croan, a

Campbeltown 75 huilt for

RN forces, Professor Watt Waterguard. suggested, ahould be relieved of fieheries and offshore craft would be suitable for protection duties and returned to their troditional task of appropriate distances from defending seaborne trade and the coest. generally policing the coests

job of fisheries protection and tion, menning, armement, keeping watch on offshore highly sophisticated elec-

tension of our fishing limits economical to build, menand and the enormous investment maintain. in the offshore oil industry, he accused the Government of assuming mossive new commitments without moking could be largely recruited, acremotely adequote cording to Professor Wett, ollocations of funds to cope from fisherms unemployed

without the protection they noed and deserve, snys Professor Wutt.

There is, he pointed nut, no event of violent resistance by Admirolty munopoly of sen-going craft in the service of Funding of a Blue Lamp the Crown and protection Novy should not, the could be afforded - und on o professor considers, be could be afforded — und on o lorger scale so far as son covered in the Defence Yothe covered is concerned — by a six that of the RN. Instead, at it would have its own budget an under the covered in the Defence Yother would have its own budget contributed to by the relevant Ministries responsible for Ministries ond their various deportments converged in the Defence Yother and its property of the covered in the Defence Yother and its property of the Reference Tools and the covered in the Defence Yother and The Covered in oportmonts concorned in tion fur Britsln's merine in-

fleet. Now a professor hes put forward a oses for withdrawl

Together, these three vessels grossed more than £1 million during the year.

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Department of Education miration for the effort being and Science, and the Ministry persistence with which that Food; and there are also effort is defended; ond vessels operated by HM despnir as to the chances of Coestguerd es well as the any reslly odequate action revenue cutters of the being taken.' Customa and Excise

fisheries protection duties et

From them the ou cleus of s Blue Lamp Nevy could be A new force, the Blue Lamp Nevy could be formed. The adoption of such Lamp Navy, should he a force need not meet high created specifically for the RN standards of construc-Taking into occount the ex-

through the decline of Relieving the Ministry of Britsin's deepsee fishing Defence and the RN of protection duties need not, in his opinion, leave Britnin's fishories and fishing fleets observe and report role, but without the protection there.



HMS Wilton hee put in thousends of miles to protect the

ONLY a few days after the French trawler Cassel was brought into Lowe at oft and her akipper ordered to pay nearly \$1,500 in fines and costs for two net offences a Belgian trawler, Triton, has been escorted into the port.

She was brought in on Wednesday night (last week) when she was observed with the fishery protection number of other fishing main about 16 miles off Orion about 16 miles off





FISHING NEWS

# Holiday hangover hits

TRAWLER owners at Grimsby must really be woodering when their current run of misfortunes will sad. Two distent weter shipe were leid-up after resecoable trips last week end half the middle water fleet eoded up well in the red from tiny catches. Ships which did have heavy entakes say much of it was upwhich did hove heavy catches eew much of it go un-sold or to the aaltera.

22,138 grossing from 992 kits tod plue a little haddock).
She had topped £60,000 from Disaster her last visit elbeit with more

where neer as apparent W to the levele of previous Wesks. Nevertheless, there were diseppointments in this section as well.

#### Top tripper

Easily the four-day week's

Barnsley was well cleer of sister-ship, Notts Forest (Sk. Cocker Mussell), on £28,927

Interview of its four torth-east Arctic licences, both vessels were laid-up for an iodefinite period at the ead of these tripa.

Middle water landings from the trewlers were terribly low at the beginning of the week. H. L. Taylor's Manao had the doubtful diamention of the week's worst trip with just 300 kits of mixed fish which sold for emissrly 28,051 after a 16-dey Westerly voyaga. Coneolidated's Real Madrid (Sk. Frank Gilchrist) got in one of the few good tripe with expressing of £19,001 largely after 16 days.

BUT's Ross Kipling (Sk. John Roberts) hit the bigh pot in this section, being well class of runner-up Real Madrid, with £28,198 from a the few sems.

To cap it all the Belgian turn out of 1,272 kits. This intervel Belgian Lody — landing leelandic wet fish at the part for the second time this year through A. E. Richard-land — managed only on the salters at £14 per kit.

This post Spring Holiday
Rangover fortunetely wes
Sieter-ship Ross Koshmir
(Sk. Pot Philipson) turned in
o similar 15-day o similar 15-day Westerly/North Seos effort with a londing of 1,265 kits, and pair teams and quoyside pices generally, especially with 310 kits unsold, 232 to the levels of previous grossing of £14,685.

The John R. (Fish Salesmen) Ltd. agency hed the rare honour of monaging hoth the top seiner and the

top pair tsam.
Skipper Bob McQueen in Ella Grethe was in e class of hie own with e superb 16-doy cod trip worth £11,748 from be the four-day week's his own with a stip-13 from fisheries' Barnsley (Sk. Pat Blany) which clockod-up 136,789 from 1,177 kits, including 900 of codstuffs and 100 of coley, after 24 doys on the Norway coast end White Sea.

Barnsley was well close of 26,200 from 672 kits of cod.

# **'SWIFTSURE' MAKES SURE**

Plymouth had a grim the restraints were mode un-reminder last Friday of der the Port of Plymouth Act where the port's top because the harbourmaster priorities is. Their craft, considered visibility to be together with all other poor, and that it would be

together with all other vessels in the Sound, were ordered by the Royal Navy to ctay exactly where they were...

For two hours the port was closed down. The reason? A blanket of thick fog had descended — just es the deedly nuclear submerine, HMS Swiftsure, returned to her besse st Davonport.

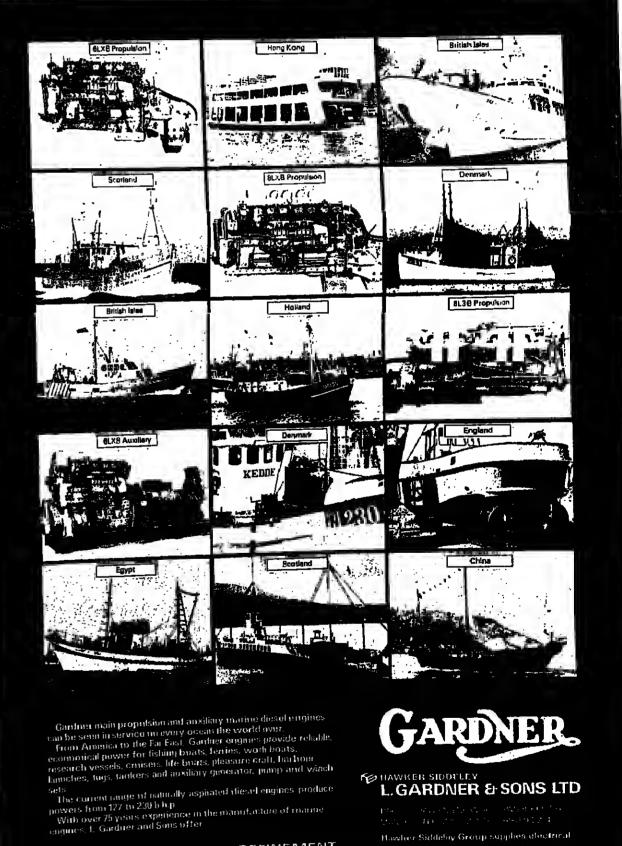
See Il beste without redice.

her bese st Davonport.

Small boats without radios were warned to stay put by Ministry of Defence police Is unches end Devon's Emergency Servicea HQ at Exeter was put on red alert.

The Queen's Harbourmaster issued the order heling the movement of all ing a light fitted on the pier.

halting the movement of all ing a light fitted on the pier. vessels, but would not give an One man died after a fall on



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Fishermen count the cost grounds

OIL AND GAS developments in the North See could cut fishermen's earnings by up to in the ten-year period ending 1986. A report by Aberdeen University, com-missionsd by the Scottish Fishermen's rederation and the British Fishing Federafederation and the British Fishing Federailon, shows that encroachment by the oil industry on fishing grounds has become a
problem which will continue to increase.

The report estimated
that loss af eccess ta
the los

report

A hig worry far hiermen hes been geting the Gavernment ta mornies that there is a molem. The publication of the report is seen as marinding evidence to apport the meny feers hithave heen expressed but the spreed of gos adoll work into areas of

Government Ministers
We now considering tha hort and are expected balls meeting with while there had bean Most progress mede in fishing losses was selling up the Fleheries relativaly easy when it and offshore Oil Concame to the rigs; these are latitles Graup, "na surraundad by 500 metre latitles way hed been made safety zanee. The situewith the Gavern- tion is not so cut and dried Inio compassation for when it cames to fishing it of access," said BFF near pipelines. ast access," said BFF naar pipelines.
Milsh vice-presidant, Estimatiane had ta be and Craig, when in- mada, basad an the

bedieing the report last knawledgo fisharman for many he Government has rousens have to eteer bislained thet, the law clear of pipelines.
What it is, there is There saems to be divithe for componentian sion of apinion an whether it is safe to trawl avar plaines.

The other hand, said plaines.

The other hand, said plaines.

It was the difficulty in a secsing icesee due to the produced in the such a wide range in the such a wide range in the such a wide range in the actimated present lass of carnings which were

being the remists that givan as a minimum of are, we have recagnis- £50,000 and a maximum distinct we must live with of £460,000 a year. dindustry. But have The report warns that a said this, we do not aver the next decade, gas by that we should be and oil developments will principal sufferere af menn an estimated 25-30 development," addad par cent increase in the

the purposes of the fishormen in the North Art, three mein areae Sen. These losees will be Velopment were eeen concentrated in two main 8 lose of anceces arees — the Maray Firth Johns; rige and plat- and the East Shetlands. Miles and snepended regarde this report as

"claim backea

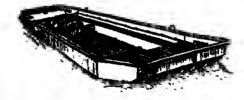
The oil industry was urged on to 'err on the side of compensation claims — which should be paid out promptly. MPs said it could be argued that the oil interest in the stand a loss than the stand a loss than the stand a loss than

oarninge which were

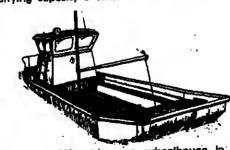
the is a case for compension where quantifiable and The report also urged that the loss cen be sefety zones around right man, noted the should not be larger than



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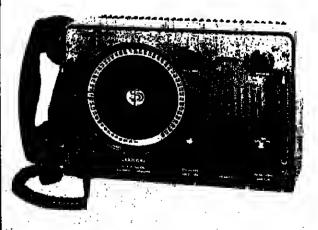
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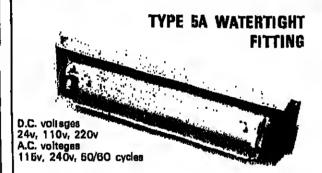
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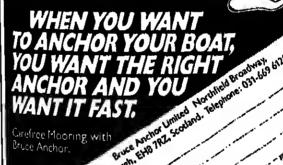
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hauler and the amount of wear in the splics is negligi-

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Panther, Ross Zebra and Tokio.

Expected during the week from Farce and Wasterly: Kyoto, Nonao, Ogano, Real Modrid, Ross Civet, Ross Kelly, Ross Kelvin, Ross Tigar, Ross Sirius.

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FRIDAY, JUNE 2
DUBLIN

450 boxes mainly from Howth end Killybegs met s good dsmaod. Main varieties were ray and meckerel. Prices: salmon, £1.70/21.90; icbster, £1.50/£2.35; prewn, 12p/33p; wbits sole, 6p/7p; bleck sole, £1.20/£1.25; £13/£20; ling, £21/£25; bake, £1ps, 40p/45p; brill, 17p/24p; £15/£25; coley, £13/£20; dogfish, cod, 24p/27p; whiting, 20/22p; £11/£13; monkfisb, £38/£35; beddock 13p/27p; large plaice, roker, £15/£26; whiting, £22/£31; | Deddock 13p/27p; large plaice, roker, £15/£26; whiting, £22/£31; 3p/35p; psr lb; round whiting, per 10 st. kit. | £12/£17; rey, £8/£20; mackeral, | LOWESTONE | £4/£10; per box.

MONDAY, JUNE 5
GRIMSBY
A good supply of 5,767 kits from 21 beats met a fair demend.
Prices: shelf cod, £3.40/£3.70; codling, £2.20/£3.20; shelf haddock, £3.30/£4.30; madlum, £3.20/£3.80; small, £2/£3; lerge pleice, £4/£4.30; msdlum, £3.50/£4.50; beet small, £3.60/£4.30; lerga skionad dogfish; £8; medium, £6; lemgo sois, £6; medium, £6; seltha, £1.40/£2; psr stone.

HULL 2432 kita from two distant water 213/213; turbut, 2109; whiting, vessels. Price ranges per 10st. sit., heads qo: shelf sod. sole, 214; lemon sole, 214; Dover kit., heads qo: shelf sod. 235; brill, 256; large ray, 238; shelf cadding, 220/236, 26; medium, 228; medi, 221; dogfish, (227.16); shelf haddonk, 215; squid, 289:50; per 8 st. kit. 21.750/218.50 (217.30); bergylis, Prices: large mackerel, 22.30; 215.25/218.60 (213.70); No. dis 1458; medium, 21.50; small HULL

LOWESTOFT
Three vessels landed 1,019 klts.
Prices: large turbot, £140/£150;
smell, £70/£75; lemon solee,
£40/£53; large plaice, £38/£39;
medium, £38/£44; small, £28/35;
cod, £25/£35; codllog, £20/£32;
large haddock, £28/£30; small,
£14.50/£22; catfish, £20/£24;
monkfish, £30; sll per 10-stona
kit.

MILFORD HAVEN
213 kits from two boats. Prices:
large cod, £33; medium, £86;
codling, £34/£35; large plaice,
£40; medium, £36; sms11,
£13/£13; turbnt, £109; whiting,
£13/£14; lemon sole, £14; Dover
sole, £140; slips, £120; tongues,
£35; brill, £56; large fay, £36;
medium, £28; smell, £21; dogfish,
£15; squid; £35;50; per 8 si. kit.

MILFORO HAVEN

£4,546: Rosevear, Norrard (Sk. J.

J. Manson), 126 k, Irish Sea, 13 daya.
£3,790: Bryher, Norrard (Sk. A.
C. James), 94 k, Irish Sea, 14 deys.
£3,626: Picton Seation, Norrard (Sk.
T. Salter), 100 k, Irish Sea, 13 deys.

KEY: 81 Sear Island; BS Sarents Bes; DW distant water; F Feroe laisnds; G Gresnlend; HW home water; I loeland; IS Indh See; NC Norway Coast; NFL Newfoundend; NS North See; O Orknay; R (Now West Coast; WS White See; 8k Skipper; k Lits; a cwt; kg kilo.

MARKETS

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In Manson), 126 k, Irish Sea, 13 daya.

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In Manson), 126 k, Irish Sea, 14 day, 15.00; Emiling seated kippers, 16/12/180; monship fine, 11/16/19/180; emiling, 16/14/180; monship fine, 16/

23.40/212.00; solacted lemon sola, 22.10/22.20; per gason. 23.50/20.50; largo witchaa, 24/24.75; email. £2.80/23.50; hondleas home weter cod, 25/25.50; fillets, aholf cod, 27.30/29; bulk, £3.50/23; bream, £9; fillet coelfish, £3.50/24.20; haddock filleta, £8/210.50; solected whiting, £2.60; small, £2.20; email English dogish, £4/27; lerge, £3.50/29.80; mackerel, £2/22.60; slone.

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128-128 BILLINGSGATE BILLI

suggest e salutian to a at the latter.

Ingus-grawth problem.
The hetch ta my boat's fishroom has been battand down all winter and his not been ventilated, lierefore patches of fingus have formed on the latter.

The While Fish Authority has an office at 37 West Pergy has an office at 37 West Pergy have an office at 37 West Pergy have down all winter and ervea as headquarters for its between the lierefore patches of the Marthauter.

**fungus** 

freuid be to remave the for the area at 62 Caledonien for the area at 62 Caledonien Road, Harllapool; 7 Hindle Drive, Filey, Yorkahire; and 39 Heneage Road, Grimsby. These afficers are reaponsible for snforcing all lawe and by-lews unade to regulate fishing aff the north-east of the deck planks were my e wood preservative.

coast, and any of them will be able ta give you the information you want.

Should you at any time

I the planks were not deneted, you could treat My Cuprical which yan

into force aince 1843 and also a great deal of ather valuable information about edinates and anti-rot compositate and anti-rot and also a great deal of ather valuable information about edininate of an anti-rot and also a great deal of ather valuable information about edininate of an anti-rot compositate and also a great deal of ather valuable information about edininate of an anti-rot compositate and also a great deal of ather valuable information about edininate of an anti-rot compositate and also a great deal of ather valuable information about edininate of an anti-rot compositate and fining flacts and flacts and fining flacts and flacts a

that clear, yellowish film, rope

# All net

The Ministry of Agriculture, Fisheries and Faod has affices et 13 Union Quay, Narth Shields, and 8t.

Quay, Narth Shields, and 8t. Andraw's Dack Chambers, St. Andraw's Dack, Hull.

Its Fishery Officer far the eres between Berwick and Hartlepoal has headquarters at the farmer and its Fishery Officer far the area between Hartlepoal and the Humber at the latter.

longus heve formed on The Narthumberland Ssa he underside of the deck- Fisheries Cammittee's Chief

ing.

Although the decke are at: 14 Waodburn Square, which appears to be intect, the underside af the planks are area between the River Tyne

irides of the planks are mally wet.

"Can you recommend a amposition that I can apply to them to drive aut the misture, prevent fungus farming again, and the wood ralies."

If don't know af eny campetion which would diaptace its melature from the planks. I think the best pracedure rould be ta remaye the fingus and destroy it; to dry f

coast, and any of them will be

Should you at any time two wee laid you ahould but them efter the wood has specifiedly dried with a compaint known as Celcure B.

They will then be resistant but the food and Agricultus in the product of the p the Foad and Agriculture Organization of the United Nations is likely to contain the infamnation you want.

It is FAO Fisheries Repart old probably obtain locally No. 98 and is called Fisheries of therefore comparatively Legislation and Administra-Expensively. In fact, any tion in the United Kingdam (Englished ond Woles). It cantr. Acts which have been brought into force aince 1843 and also

Manufacture and compared structure and compar twill displace water from pass through roller pass through roller fulrieods more easily The state of them.

It is to them.

It is a D. (Chemicals and processes) Ltd., 300

It is a Roed, Glesgow: to ensure that a rope-chein

splice is little lerger than thet of rope or chain.

If you serve the splice it will be appreciably larger, of course, end for this reason and because eend and grit may get under the servicing to cause wear, it is usually best to leave such a spilce unservity of the north east is no under week in it.

held off the north east is no undue weer in it.

If the most comprehensing the full interest is no undue weer in it.

If have used this type of rope spliced to four fathoms of in chain as an anchor of in chain as an anchor of in chain as an anchor of inchain as an anchor of inchain as an anchor of inchain as an in use regularly has been in use regularly when anchored on mud, send, shingle and gravel bottoms.



## It is a delight to handle, grips well an the sheaves of a QUESTIONS?

Details of the different sizes in which Marlaw is IF YOU have any questions Multiplait rope is made and element gas applicing it to chain are obstanced in the stamped stained in the stamped started in the stamped velope for reply.

## lures from Sweden

IN ANSWER to a query from a reader (Fishing News, March 31) who wanted to know about davices for taking rubber eels dawn to depths at which pallaak are feeding duriog big tides. I mentile Channel Islands they

ps rs vane.

This will take lure adawn to about 16 fs homs when trolling at three ta faur knots. I said that It was available from a firm at St. Neots in Huntingdanshire but this was not carrect.

catching bass in aummer. Do you know what sort of lines these are and how they are rigged when fished fram the Chennel Isles?

Bay lines are flaating huntingdanshire but this was not carrect.

you will have to impurt baited with pieces of sand eel.

aamples direct fram A. B. Flafabriken, Galhenburg,

There is also a device fram Saunders foot Marine, The Harbaur, Saunders faat, Pembrakeshire (Dyfed), knawn sa the Ottervane.

durlog big tides, I men-tioned among others a Swedish 'Surfing' catching bass in aummer.

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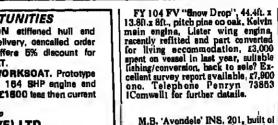
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Continued from Page 101

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Shminium.
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HALMATIC 38ft. x 12ft 10lps. x 4ft., forward wheelhouse, large open dock, small fish hold, Parkins 935-i/3:1 reduction, 2 ion splil hydroulic winch, Lebus spealing, cuts pilot, KH MS 39 sounder, Sailor VHF, cookers, link 4 best branches fit. "MY Molody". Icrwerd da., forwerd wheelhouse, traditional Cornish Tosher, 29.6t, z 0.3ft. z 3.6ft., huilt Diaons, Exmouth, pitch plue cek, Lister diesel, rewired, VHF., R/T., engine overlisuled. New stern geer, new Spencor Carter self hauling sheavs. New Simred fish finder Price 24,600. Telephone: Penzyn 74784 svenings.

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Seedheven, Nr. Freeerburgh, 1888.
Overall length 84ft., registered length
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